

Table/Tower Schematics

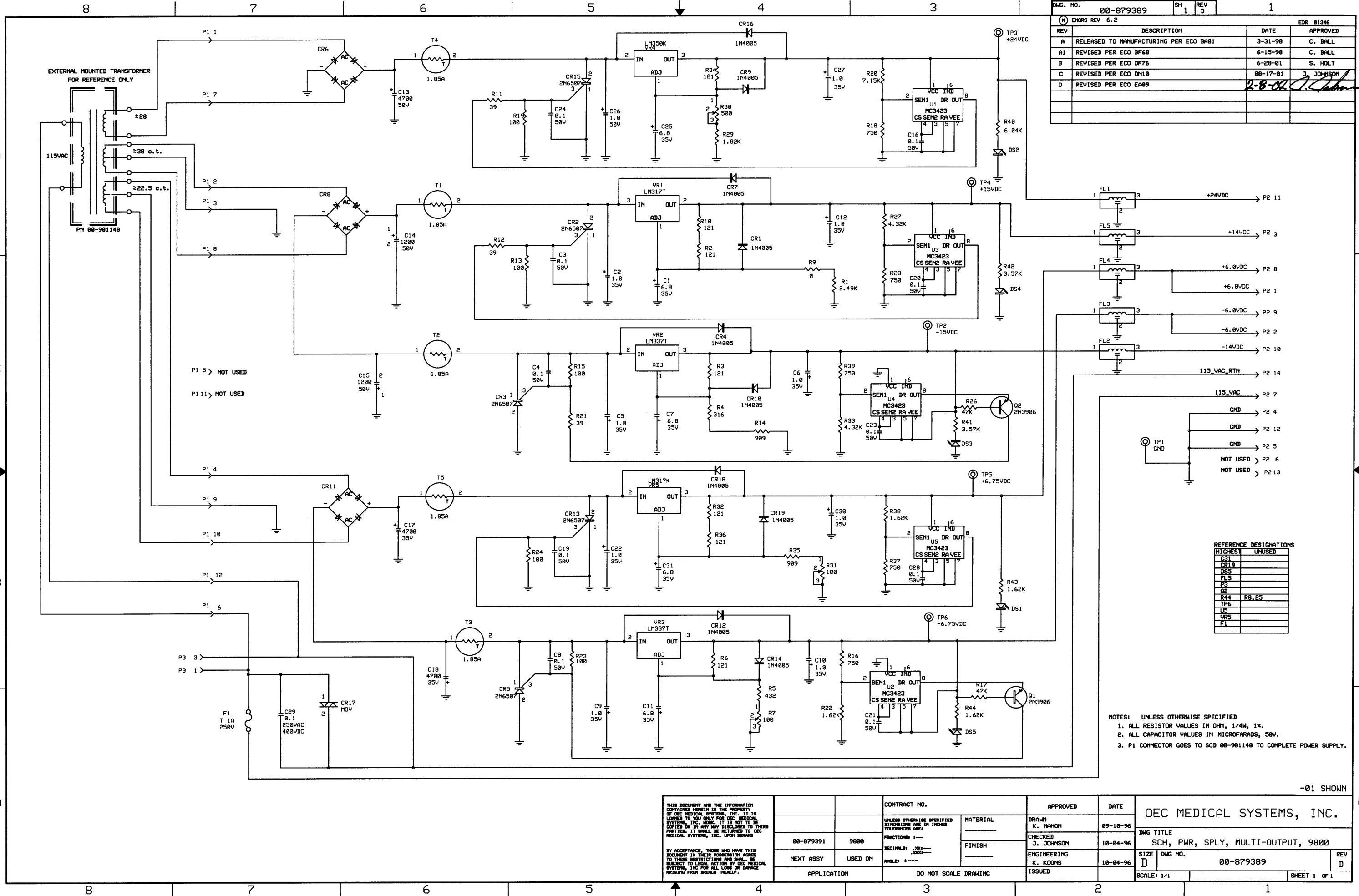
The following is a collection of schematics and annotated drawings for the major equipment in the Table/Tower Assembly. These items are arranged in numeric order by drawing number. Use the following alphabetic list to access a drawing by title. Click on the appropriate title or drawing number to view the drawing.

9800 CAMERA PCB	881101
BACKPLANE PCB	881738
CASSETTE BOX MOTOR	885021
COLLIMATOR INTERFACE PCB	881539
CONTACTOR BOARD	885018
EMERGENCY STOP	885016
FLUORO FOOTSWITCH.....	885020
INTERCONNECT DIAGRAM	881504
MOTRON CPU BOARD WIRING DIAGRAM.....	885019
MOTRON CPU PCB SCHEMATIC.....	884216
MOTRON CPU PCB ANNOTATED DRAWINGS (FIRST BOARD)	NR
MOTRON CPU PCB ANNOTATED DRAWINGS (CURRENT BOARD)	NR
MOTRON DAUGHTER BOARD.....	884217
MOTRON FOOTSWITCH PCB	884218
MULTI OUTPUT POWER SUPPLY	879389
POWER DISTRIBUTION PCB	881570
RELAY BOARD.....	884219
TABLE BLOCK DIAGRAM	885015
TABLE DIGITAL PCB	884244
TABLE DIGITAL PCB INTERFACES	885026
TABLE GENERATOR INTERFACE PCB	881567
TABLE LONGITUDINAL MOTOR.....	885022
TABLE POWER SUPPLY	885025
TUBE SYSTEM MOTOR	885024

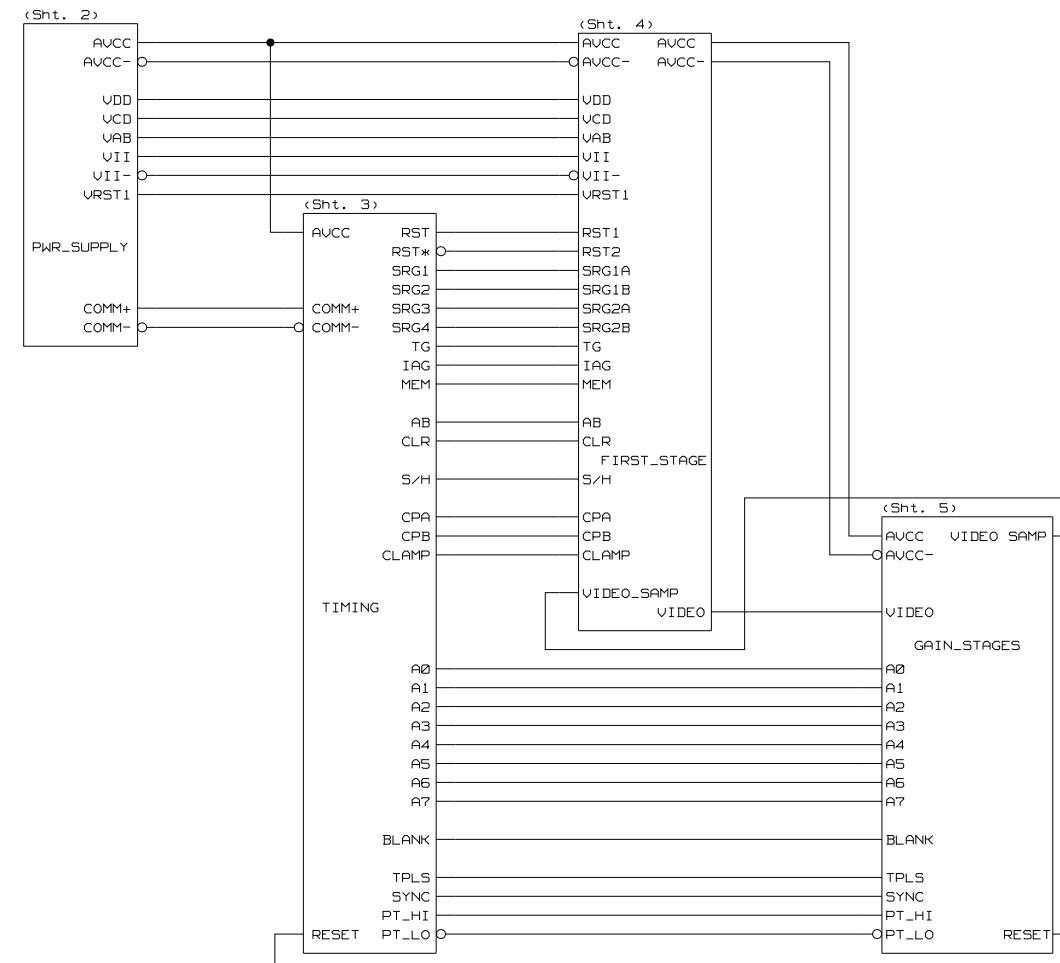
Table/TowerSchematics

VERTICAL TILT MOTOR	885023
X-RAY CONTROL IF PCB	881564





DWG NO.		00-881101	SHT	REV	
(M)	ENGIN. REV. 2.1	REVISIONS			EDR 01346
REV	DESCRIPTION		DATE	APPROVED	
A	RELEASED TO MANUFACTURING PER ECO CG14	12-8-99	C. BALL		
A1	REVISED PER ECO CK74	3-22-00	M. SARGENT		
A2	REVISED PER ECO CM3?	5-8-00	M. SARGENT		
B	REVISED PER ECO CWB7	2-21-01	M. SARGENT		
B1	REVISED PER ECO DT72A	1-24-02	M. SARGENT		
B2	REVISED PER ECO EDO?	5-10-02	M. SARGENT		
C	REVISED PER ECO EEB4				
C	REVISED PER ECO EEB4				

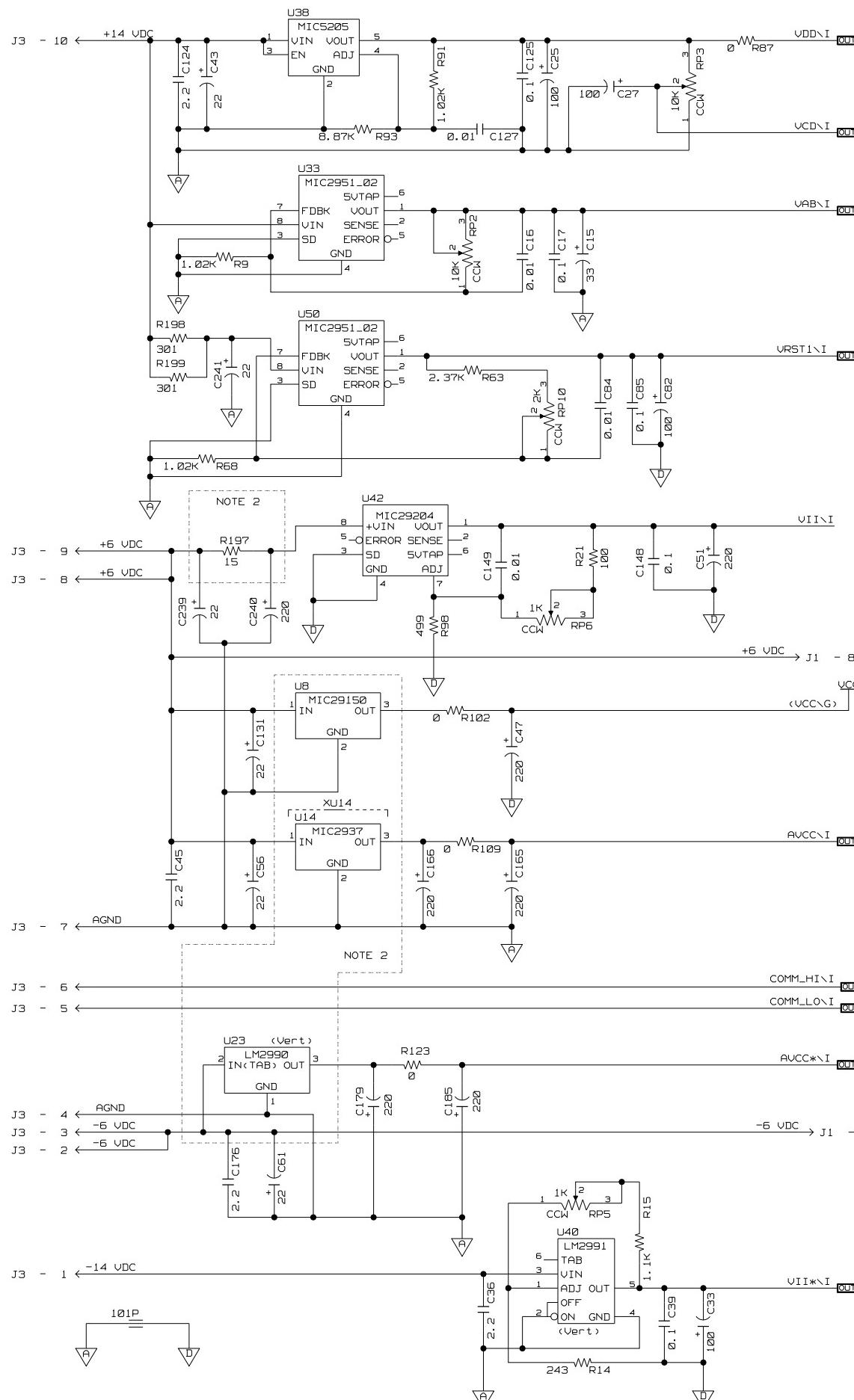


DRAWING
LAST_MODIFIED=Fri Jul 19 09:34:00 2002
ACTIVE_BOMS=-03

-02 SHOWN
-01 INACTIVE

ITEM	QTY.	PART OR IDENT NO.	DESCRIPTION
PARTS LIST			
			OEC MEDICAL SYSTEMS, INC.
			DWG TITLE
			SCH, 9800 CAMERA PCB
			SIZE DWG NO. REV
			D 00-881101 C
			SCALE: SHEET 1 OF 11

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NOTE

THE FOLLOWING COMPONENTS ARE NOT INSTALLED

SHEET 3: C91, C93, C104, C234, C235, C236, L3, L4, R67,
R72, R191, R193, RP9, U31, U61, U62.

SHEET 4: C180, C192, Q11, Q13, R40, R43, R48, R50, R143,
R144, R147.

SHEET 5: C86, C193, C197, C203, C221, R51, R60, R71, R151,
R152, R153, R154, R159, R160, R161, R172, R173.

NOTE

SHEET 2: R197 REPRESENTS SOLDER PADS ON THE PCB, 00-881102

THESE SOLDER PADS ARE JUMPERED TO XR197 ON SUBASSEMBLY 00-882124.
COMPONENTS SHOWN ON THIS SCHEMATIC, U8, U14, XU14, AND U23, ARE
INSTALLED ON THE SUBASSEMBLY 00-881124.

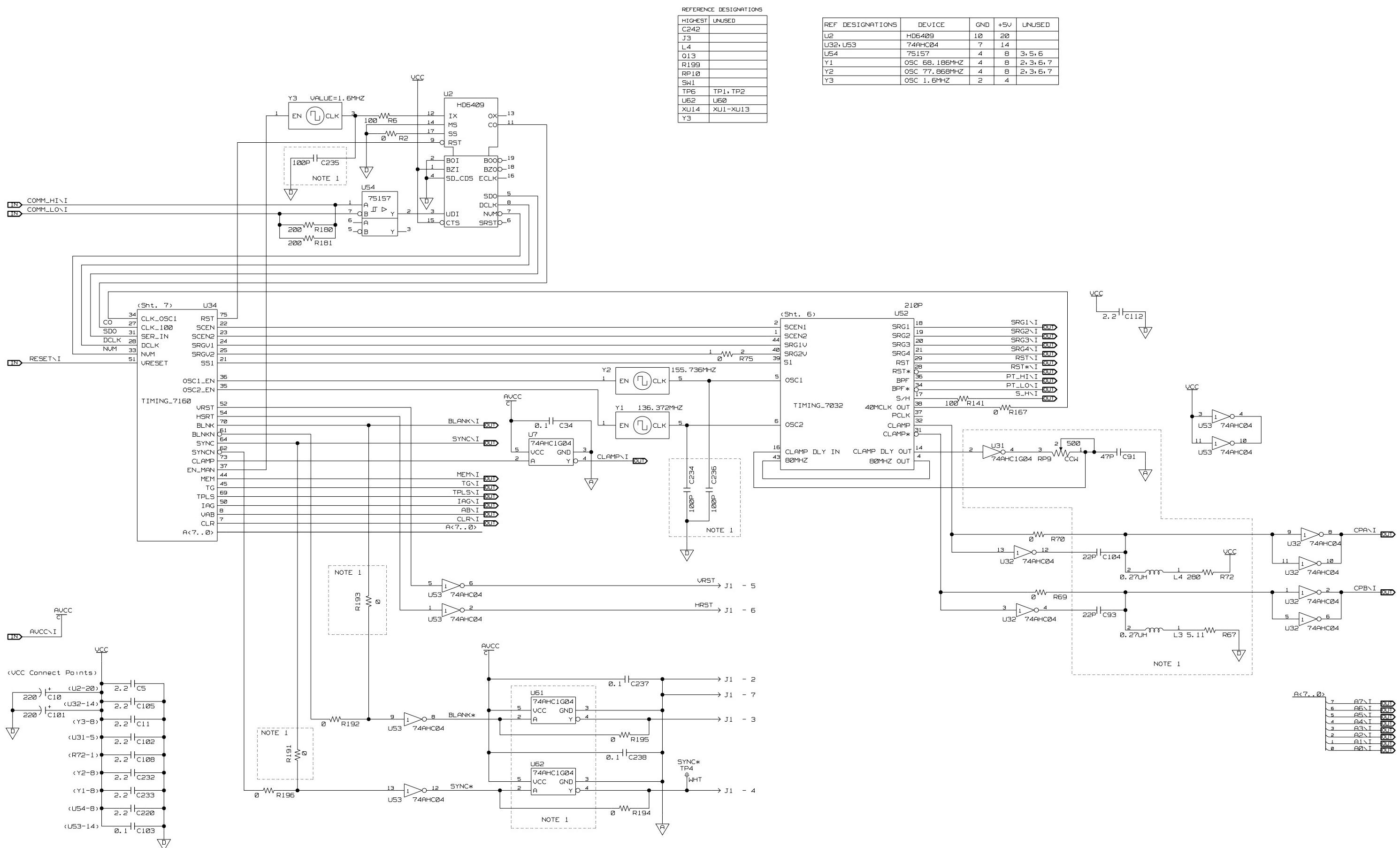
NOTE

SHEET 4: U19 SHOWN ON THIS SCHEMATIC IS NOT INSTALLED ON THE PCB,
00-881102, AT THIS LEVEL. PLEASE REFER TO HIGHER ASSEMBLY
DRAWING, 00-881170, FOR INSTALLATION OF U19.

00-881101-02 SCH, PCB, CAMERA, 9800
00-881102-02 PCB, CAMERA, A/F, 9800
00-881103-50 SPEC, PERF, CAMERA PCB, 9800
 ASM_U52
00-881819-02 FW ASM, SER-TIMING, CCD CAMEL
 ASM_U34
00-881816-02 FW ASM, PAR-TIMING, CCD CAMEL

PWR_SUPPLY MODULE

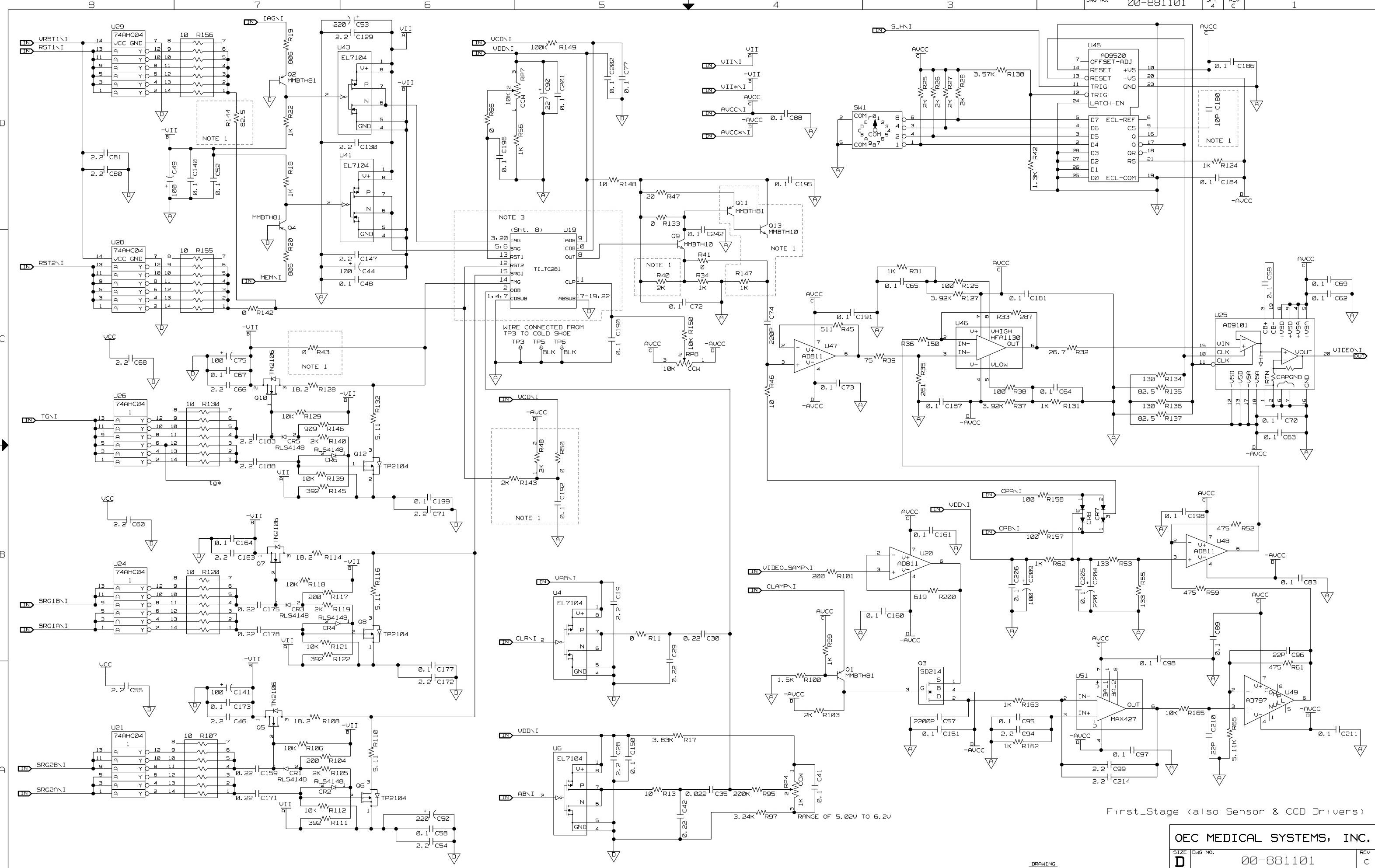
OEC MEDICAL SYSTEMS, INC.

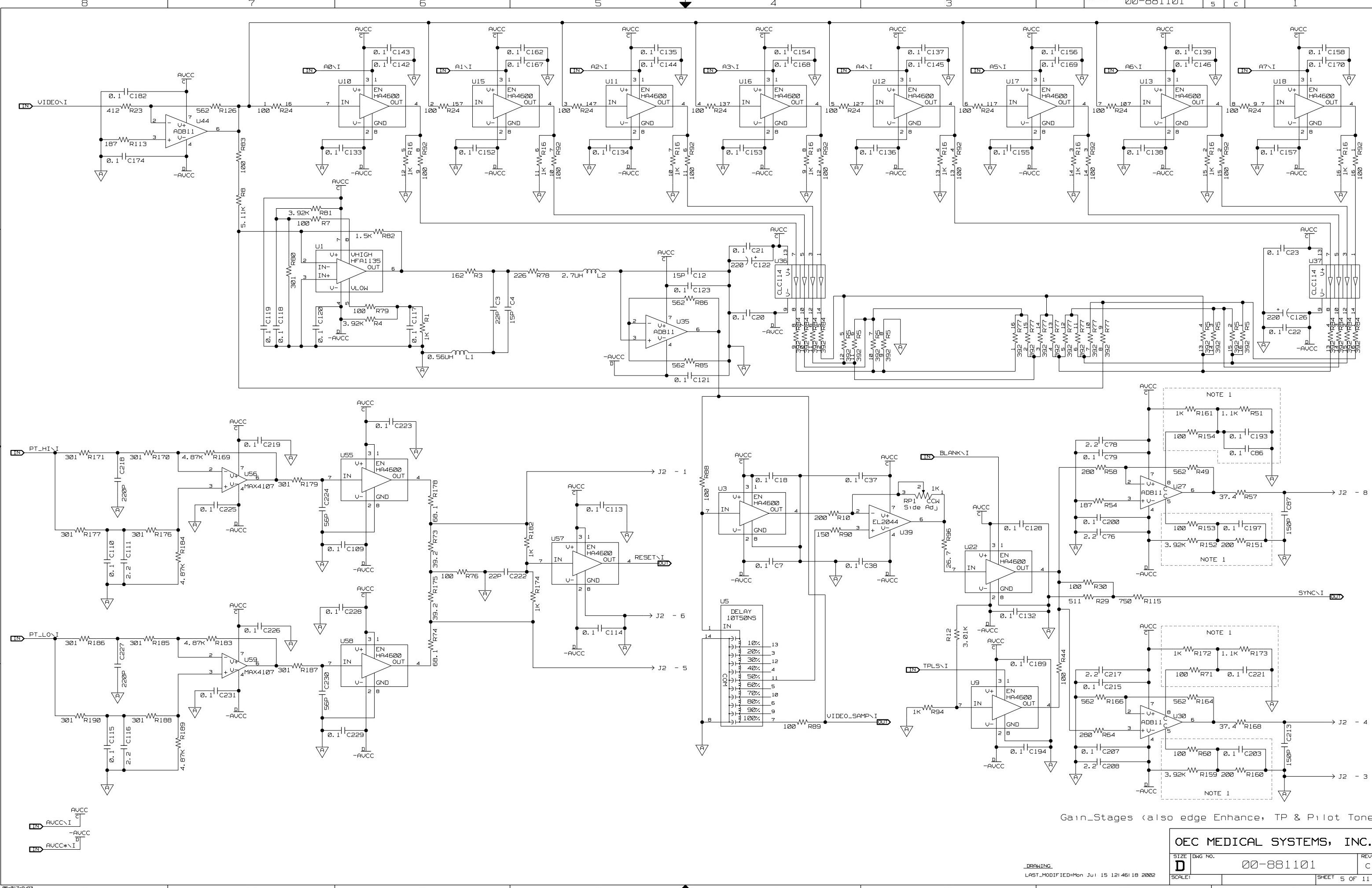


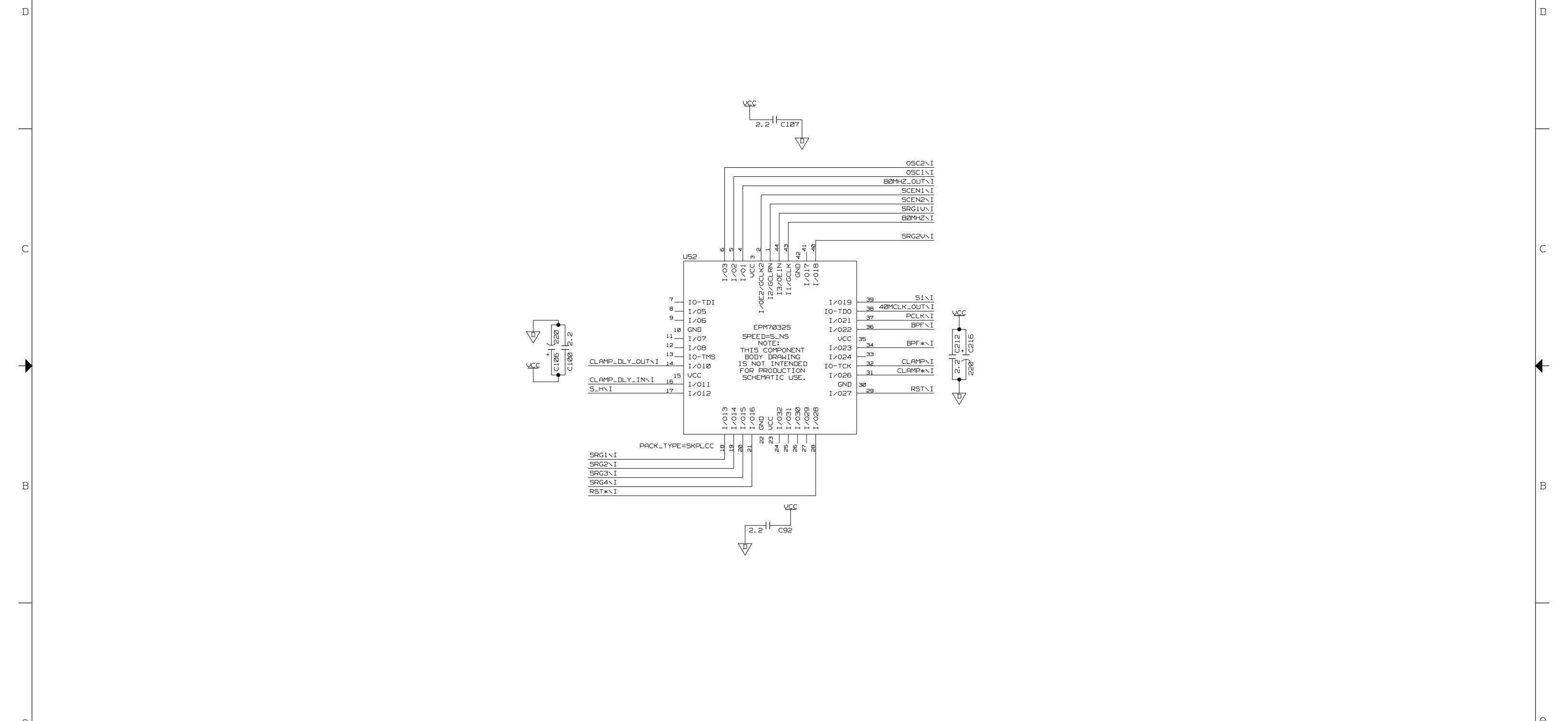
Timing Module

OEC MEDICAL SYSTEMS, INC.

SIZE	DWG NO.	REV
D	00-881101	C
DRAWING		
LAST_MODIFIED=Mon Jul 15 12:48:51 2002		
SCALE:		SHEET 3 OF 11

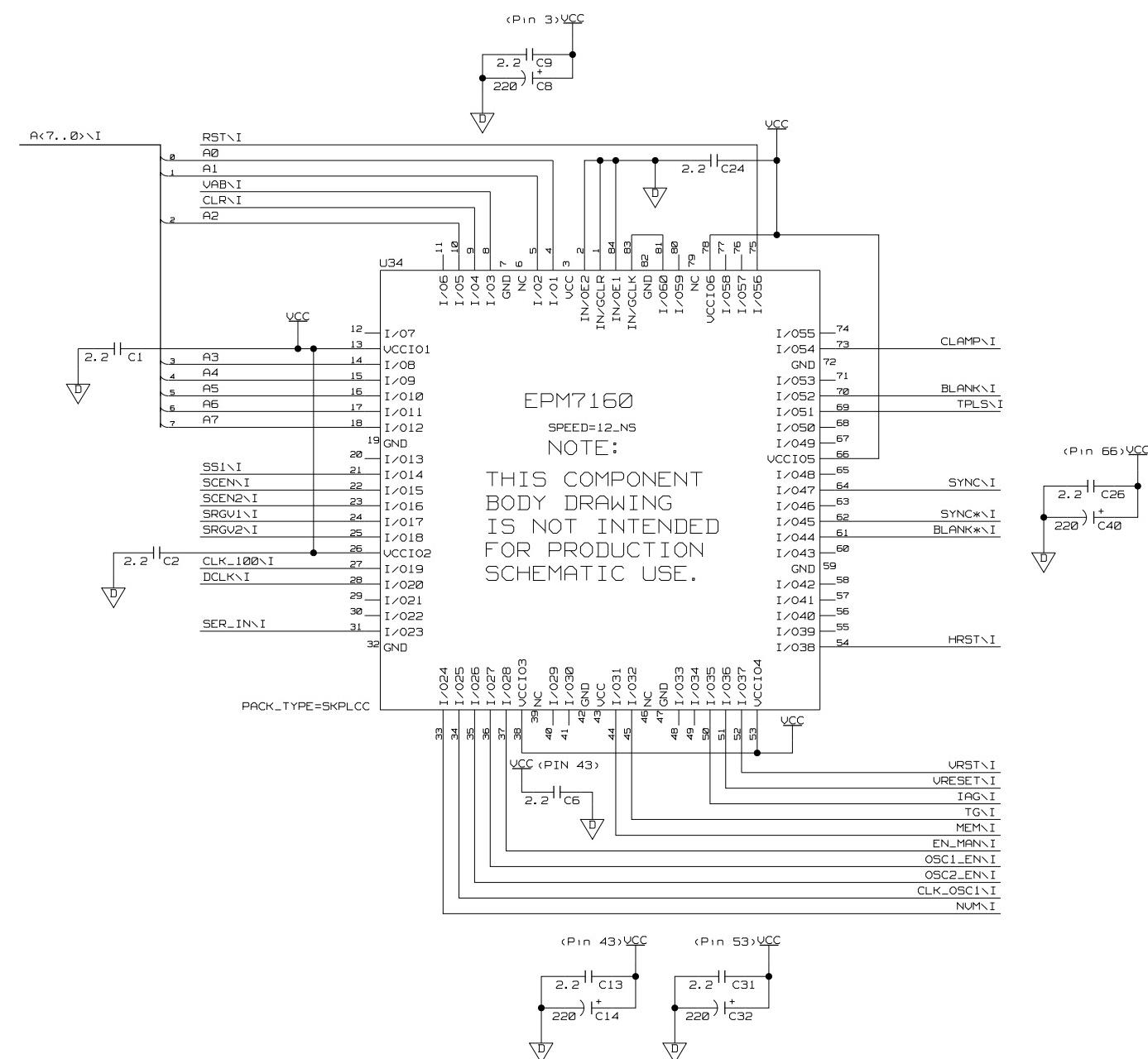






Timing_7032

OEC MEDICAL SYSTEMS, INC.		
SIZE	DWG NO.	REV
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DRAWING	LAST MODIFIED=Mon Jul 15 12:50:58 2002	
SCALE:		SHEET 6 OF 11



Timing_7160

OEC MEDICAL SYSTEMS, INC.		
SIZE	DWG NO.	REV
D	00-881101	C

DRAWING
LAST_MODIFIED=Mon Jul 15 12:52:11 2002

SCALE: SHEET 7 OF 11

8

7

6

5

4

3

2

1

DWG NO. 00-881101 SHT 8 REV C

D

D

C

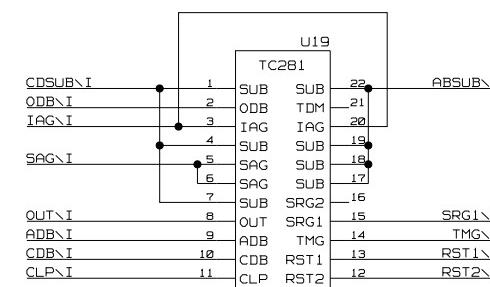
C

B

B

A

A



TI_TC281

OEC MEDICAL SYSTEMS, INC.		
SIZE	DWG NO.	REV
D	00-881101	C
SCALE:		Sheet 8 of 11

DRAWING
LAST_MODIFIED=Mon Jul 15 12:53:59 2002

D

*** Signal Cross-Reference ***
--- for the entire design --

40MCLK_OUT 6C4
80MHZ 6C4
80MHZ_OUT 6C5
A <7..0> 3B6 3A1 7C6
A0 3A1 7C6 5D7
A1 3A1 7C6 5D6
A2 3A1 7C6 5D5
A3 3A1 7C6 5D4
A4 3A1 7C6 5D4
A5 3A1 7C6 5D3
A6 3A1 7C6 5D2
A7 3A1 7C6 5D1
AB 3B6 4A6
ABSUB 8C4
ADB 8B5
AVCC 2B5 3B8 4D4 5A8
AVCC * 2B5 4D4 5A8
BLANK 3C6 7C4 5B3
BLANK * 7C4
BPF 6C4
BPF * 6C4
CDB 8B5
CDSUB 8C5
CLAMP 3C5 6C4 7C4 4B4
CLAMP * 6B4
CLAMP_DL_Y_IN 6B6
CLAMP_DL_Y_OUT 6C6
CLK_100 7B6
CLK_OSC1 7B5
CLP 8B5
CLR 3B6 7C5 4B6
CO 3D6
COMM_HI 2B5 3D8
COMM_LO 2B5 3D8
CPA 3B1 4B3
CPB 3B1 4B3
DCLK 3D6 7B6
EN_MAN 7B5
HRST 3B4 7B4
IAG 3B6 7B4 4D7 8C5
MEM 3B6 7B4 4C7
NUM 3D6 7B5
ODB 8C5
OSC1 6C5
OSC1_EN 7B5
OSC2 6C5
OSC2_EN 7B5
OUT 8B5
PCLK 6C4
PT_HI 3C3 5B8
PT_LO 3C3 5B8
RESET 5B5 3C8
RST 3C3 6B4 7C4
RST * 3C3 6B4
RST1 4D8 8B4
RST2 4C8 8B4
S1 6C4
SAG 8C5
SCEN 7C6
SCEN1 6C5
SCEN2 7C6 6C5
SDO 3D6
SER_IN 7B6
SRG1 3C3 6B6 8B4
SRG1A 4B8
SRG1B 4B8
SRG1V 6C5
SRG2 3C3 6B5
SRG2A 4A8
SRG2B 4A8

D

SRG2V 6C4
SRG3 3C3 6B5
SRG4 3C3 6B5
SRG1V 7C6
SRG2V 7C6
SS1 7C6
SYNC 3C6 5B1 7C4
SYNC * 7C4
S_H 3C3 6B6 4D3
TG 3B6 7B4 4C8
TMG 8B4
TPLS 3B6 7C4 5A3
VAB 2D5 7C5 4B5
VCD 2D5 4C6 4D6
VDD 2D5 4A6 4B3 4D6
VIDEO 4C1 5D8
VIDEO_SAMP 5A3 4B4
VII 2C5 4D4
VII * 2A5 4D4
VRESET 7B4
VRST 3B4 7B3
VRST1 2C5 4D8

D

C

C

C

B

B

B

A

A

*** Unit Cross-Reference ***
--- for the entire design --

D
ASM_LU34 ADDONS 2A4
ASM_U52 ADDONS 2A4
C1 CERSMT_1206 7C6
C2 CERSMT_1206 7B6
C3 CERSMT_0805 5C6
C4 CERSMT_0805 5C5
C5 CERSMT_1206 3B8
C6 CERSMT_1206 7B5
C7 CERSMT_0805 5B4
C8 TASMT_7343H 7D5
C9 CERSMT_1206 7D5
C10 TASMT_7343H 3A8
C11 CERSMT_1206 3A8
C12 CERSMT_0805 5C4
C13 CERSMT_1206 7A4
C14 TASMT_7343H 7A5
C15 TASMT_7343H 2D6
C16 CERSMT_0805 2D6
C17 CERSMT_0805 2D6
C18 CERSMT_0805 5B4
C19 CERSMT_1206 4B5
C20 CERSMT_0805 5C4
C21 CERSMT_0805 5C4
C22 CERSMT_0805 5C1
C23 CERSMT_0805 5C1
C24 CERSMT_1206 7C4
C25 TASMT_7343H 2D6
C26 CERSMT_1206 7C3
C27 TASMT_7343H 2D6
C28 CERSMT_1206 4A5
C29 CERSMT_1206 4B5
C30 CERSMT_1206 4B4
C31 CERSMT_1206 7A4
C32 TASMT_7343H 7A4
C33 TASMT_7343H 2A5
C34 CERSMT_0805 3C5
C35 CERSMT_0805 4A4
C36 CERSMT_1206 2A6
C37 CERSMT_0805 5B3
C38 CERSMT_0805 5B3
C39 CERSMT_0805 2A5
C40 TASMT_7343H 7C3
C41 CERSMT_0805 4A4
C42 CERSMT_1206 4A5
C43 TASMT_7343H 2D7
C44 TASMT_7343H 4C6
C45 CERSMT_1206 2B7
C46 CERSMT_1206 4A7
C47 TASMT_7343H 2B6
C48 CERSMT_0805 4C6
C49 TASMT_7343H 4D7
C50 TASMT_7343H 4A6
C51 TASMT_7343H 2C5
C52 CERSMT_0805 4D7
C53 TASMT_7343H 4D6
C54 CERSMT_1206 4A6
C55 CERSMT_1206 4A8
C56 TASMT_7343 2B7
C57 CERSMT_0805 4A3
C58 CERSMT_0805 4A6
C59 CERSMT_0805 4C1
C60 CERSMT_1206 4B8
C61 TASMT_7343 2A7
C62 CERSMT_0805 4C1
C63 CERSMT_0805 4C1
C64 CERSMT_0805 4C2
C65 CERSMT_0805 4C3
C66 CERSMT_1206 4C7
C67 CERSMT_0805 4C7
C68 CERSMT_1206 4C8

C69 CERSMT_0805 4C1
C70 CERSMT_0805 4C1
C71 CERSMT_1206 4B6
C72 CERSMT_0805 4C4
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C84 CERSMT_0805 2C6
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C144 CERSMT_0805 5D5
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C162 CERSMT_0805 5D5
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C164 CERSMT_0805 4B7
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C166 TASMT_7343H 2B6
C167 CERSMT_0805 5D5
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C170 CERSMT_0805 5D1
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C172 CERSMT_1206 4A6
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C223 CERSMT_0805 5C6
C224 CERSMT_0805 5B7
C225 CERSMT_0805 5B7
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C238 CERSMT_0805 3A5
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C240 TASMT_7343H 2C7
C241 TASMT_7343 2C7
C242 CERSMT_0805 4C4
CR1 DIO_SMT_RLS4148 4A7
CR2 DIO_SMT_RLS4148 4A7
CR3 DIO_SMT_RLS4148 4B7
CR4 DIO_SMT_RLS4148 4B7
CR5 DIO_SMT_RLS4148 4C7
CR6 DIO_SMT_RLS4148 4B7
CR7 DIO_SMT_MMBD353 4B2
CR8 DIO_SMT_MMBD352 4B2
J1 HDMLXLKRA_1XB_51407133 2A5 2C5 3A4 3A4 3B4
J2 HDMLXMFLLKRA_2X4_51411327 5A1 5A5 5B1 5B5
J3 HDMLXLKRA_1X10_51411072 2A8 2A8 2B8 2C8 2C8
2D8
L1 INDSMT_LQH3N 5C6
L2 INDSMT_LQH3N 5C5
L3 INDSMT_43800011 3B2
L4 INDSMT_43800011 3B2
MISC3 ADDONS 2A4
MISC?? ADDONS 2A4
Q1 MMBTH81 4A4
Q2 MMBTH81 4D7
Q3 SD214 4B3
Q4 MMBTH81 4D7
Q5 TN2105 4A7
Q6 TP2104 4A6
Q7 TN2106 4B7
Q8 TP2104 4B6
Q9 MMBTH10 4C5
Q10 TN2106 4C7
Q11 MMBTH81 4D4
Q12 TP2104 4B6
Q13 MMBTH10 4D4
R1 RESSMT_0805 5C6
R2 RESSMT_0805 3D6
R3 RESSMT_0805 5C6
R4 RESSMT_0503 5C6
R5 RESSMT16_8X 5C1 5C1 5C2 5C3 5C4 5C4
R6 RESSMT_0805 3D6
R7 RESSMT_0805 5D7
R8 RESSMT_0805 5D7
R9 RESSMT_0805 2D7
R10 RESSMT_0805 5B4
R11 RESSMT_0805 4B5
R12 RESSMT_0805 5B3
R13 RESSMT_0805 4A5
R14 RESSMT_0805 2A6

D
R15 RESSMT_0805 2A6
R16 RESSMT16_8X 5D1 5D1 5D2 5D3 5D4 5D5 5D6
R17 RESSMT_0805 4A5
R18 RESSMT_0805 4D7
R19 RESSMT_0805 4D7
R20 RESSMT_0805 4C7
R21 RESSMT_0805 2C6
R22 RESSMT_0805 4D7
R23 RESSMT_0805 5D8
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R27 RESSMT_0805 4D3
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R30 RESSMT_0805 5B2
R31 RESSMT_0603 4C3
R32 RESSMT_0805 4C2
R33 RESSMT_0603 4C3
R34 RESSMT_0805 4C4
R35 RESSMT_0603 4C3
R36 RESSMT_0603 4C3
R37 RESSMT_0603 4C3
R38 RESSMT_0805 4C3
R39 RESSMT_0603 4C3
R40 RESSMT_0805 4C5
R41 RESSMT_0805 4C4
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R43 RESSMT_0805 4C7
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R46 RESSMT_0805 4C4
R47 RESSMT_0805 4D5
R48 RESSMT_0805 4B5
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R50 RESSMT_0805 4B5
R51 RESSMT_0805 5C1
R52 RESSMT_0805 4B1
R53 RESSMT_0805 4B2
R54 RESSMT_0805 5B2
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R57 RESSMT_1206 5B1
R58 RESSMT_0805 5B2
R59 RESSMT_0805 4B2
R60 RESSMT_0805 5A2
R61 RESSMT_0805 4A1
R62 RESSMT_0805 4B2
R63 RESSMT_0805 2C6
R64 RESSMT_0805 5A2
R65 RESSMT_0805 4A1
R66 RESSMT_0805 4D6
R67 RESSMT_0805 3B2
R68 RESSMT_0805 2C7
R69 RESSMT_0805 3B3
R70 RESSMT_0805 3B3
R71 RESSMT_0805 5A2
R72 RESSMT_0805 3B2
R73 RESSMT_0805 5B6
R74 RESSMT_0805 5B6
R75 RESSMT_0805 3C4
R76 RESSMT_0805 5B6
R77 RESSMT16_8X 5C2 5C3
R78 RESSMT_0805 5C5
R79 RESSMT_0805 5C6
R80 RESSMT_0805 5C7
R81 RESSMT_0803 5D7
R82 RESSMT_0805 5C6
R83 RESSMT_0805 5D7
R84 RESSMT16_8X 5C1 5C4
R85 RESSMT_0805 5C4
R86 RESSMT_0805 5C4
R87 RESSMT_0805 2D5

R88 RESSMT_0805 5B4
R89 RESSMT_0805 5A4
R90 RESSMT_0805 5B4
R91 RESSMT_0805 2D6
R92 RESSMT16_8X 5D1 5D1 5D2 5D3 5D4 5D5 5D6
R93 RESSMT_0805 2D6
R94 RESSMT_0805 5A3
R95 RESSMT_0805 4A4
R96 RESSMT_0805 5B3
R97 RESSMT_0805 4A4
R98 RESSMT_0805 2C6
R99 RESSMT_0805 4B4
R100 RESSMT_0805 4A4
R101 RESSMT_0805 4B4
R102 RESSMT_0805 2C6
R103 RESSMT_0805 4A4
R104 RESSMT_0805 4A7
R105 RESSMT_0805 4A7
R106 RESSMT_0805 4A7
R107 RESSMT14_7X 4A7
R108 RESSMT_1206 4A7
R109 RESSMT_0805 2B6
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R111 RESSMT_0805 4A7
R112 RESSMT_0805 4A7
R113 RESSMT_0805 5D8
R114 RESSMT_1206 4B7
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R116 RESSMT_1206 4B6
R117 RESSMT_0805 4B7
R118 RESSMT_0805 4B7
R119 RESSMT_0805 4B7
R120 RESSMT14_7X 4B7
R121 RESSMT_0805 4B7
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R123 RESSMT_0805 2B6
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R125 RESSMT_0805 4C3
R126 RESSMT_0805 5D7
R127 RESSMT_0803 4C3
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R135 RESSMT_1206 4C2
R136 RESSMT_1206 4C2
R137 RESSMT_1206 4C2
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R142 RESSMT_0805 4C7
R143 RESSMT_0805 4B5
R144 RESSMT_0805 4D7
R145 RESSMT_0805 4B7
R146 RESSMT_0805 4C7
R147 RESSMT_0805 4C4
R148 RESSMT_0805 4D5
R149 RESSMT_0805 4D5
R150 RESSMT_0805 4C4
R151 RESSMT_0805 5B1
R152 RESSMT_0603 5B1
R153 RESSMT_0805 5B2
R154 RESSMT_0805 5C2
R155 RESSMT14_7X 4C7
R156 RESSMT14_7X 4D7
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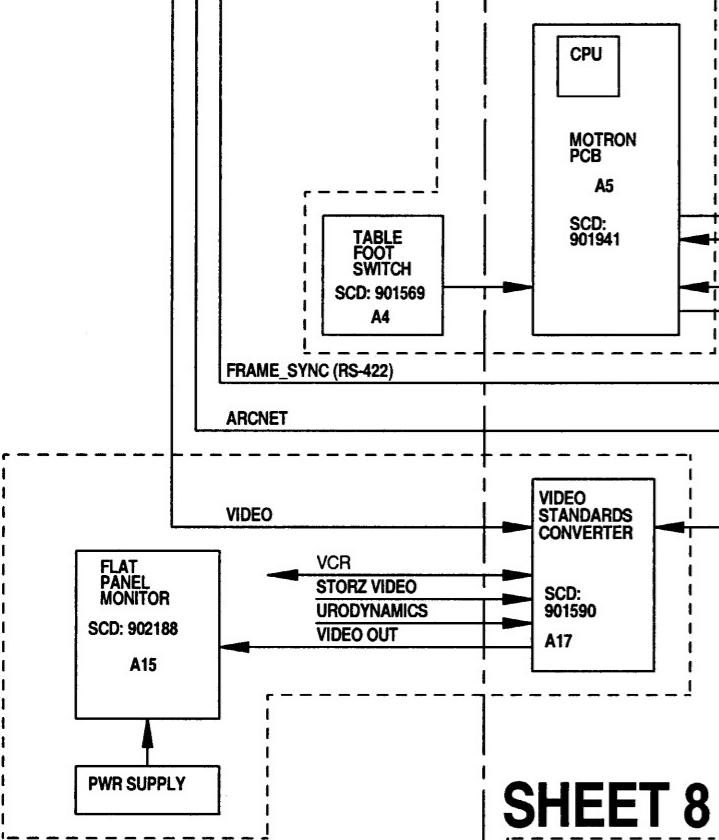
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R166 RESSMT_0805 5A2
R167 RESSMT_0805 3C3
R168 RESSMT_1206 5A1
R169 RESSMT_0805 5B7
R170 RESSMT_0805 5B8
R171 RESSMT_0805 5B8
R172 RESSMT_0805 5B2
R173 RESSMT_0805 5B1
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R175 RESSMT_0805 5B6
R176 RESSMT_0805 5B8
R177 RESSMT_0805 5B8
R178 RESSMT_0805 5B6
R179 RESSMT_0805 5B7
R180 RESSMT_1206 3C7
R181 RESSMT_1206 3C7
R182 RESSMT_0805 5B5
R183 RESSMT_0805 5B7
R184 RESSMT_0805 5B7
R185 RESSMT_0805 5B8
R186 RESSMT_0805 5B8
R187 RESSMT_0805 5A7
R188 RESSMT_0805 5A8
R189 RESSMT_0805 5A7
R190 RESSMT_0805 5A8
R191 RESSMT_0603 3A7
R192 RESSMT_0603 3A6
R193 RESSMT_0603 3B6
R194 RESSMT_0603 3A5
R195 RESSMT_0603 3A5
R196 RESSMT_0603 3A7
R197 RESSMT_1206 2C7
R198 RESSMT_1206 2D7
R199 RESSMT_1206 2C7
R200 RESSMT_1206 4B3
RP1 RESVARSMT_1TSQ_SIDADJ 5B3
RP2 RESVARSMT_1TSQ_TOPADJ 2D6
RP3 RESVARSMT_1TSQ_TOPADJ 2D5
RP4 RESVARSMT_1TSQ_TOPADJ 4A4
RP5 RESVARSMT_1TSQ_TOPADJ 2A6
RP6 RESVARSMT_1TSQ_TOPADJ 2C6
RP7 RESVARSMT_1TSQ_TOPADJ 4D5
RP8 RESVARSMT_1TSQ_TOPADJ 4C5
RP9 RESVARSMT_1TSQ_TOPADJ 3C3
RP10 RESVARSMT_1TSQ_TOPADJ 2C6
SW1 SW_SMT_LTRY_HEXDEC 4D4
TP3 TEST_HOLE 4C6
TP4 TEST_POINT_COLOR 3A5
TP5 TEST_POINT_COLOR 4C5
TP6 TEST_POINT_COLOR 4C5
U1 HFA1135 5C7
U2 HD6409 3D6
U3 HA4600 5B4
U4 EL7104 4B5
U5 DELAY_10T50NS_43399918 5B4
U6 EL7104 4A5
U7 74AHC1G04_VCC 3C5
U8 MIC29150 2C7
U9 HA4600 5A3
U10 HA4600 5D6
U11 HA4600 5D5
U12 HA4600 5D3
U13 HA4600 5D2
U14 MIC2937 2B7
U15 HA4600 5D6
U16 HA4600 5D4
U17 HA4600 5D3
U18 HA4600 5D1

U19 TC281 8C4
U20 AD811 4B3
U21 74AHC04 4AB
U22 HA4600 5B3
U23 LM2990_VERT 2B7
U24 74AHC04 4B8
U25 AD9101 4C1
U26 74AHC04 4C8
U27 AD811_COMP_TI 5B2
U28 74AHC04_VCC 4C8
U29 74AHC04_VCC 4D8
U30 AD811_COMP_TI 5A2
U31 74AHC1G04 3C3
U32 74AHC04 3B1 3B1 3B3 3B3
U33 MIC2951_02 2D7
U34 EPM7160_B4 7C5
U35 AD811 5C5
U36 CLC114 5C4
U37 CLC114 5C1
U38 MIC5205 2D7
U39 EL2044 5B3
U40 LM2991 2A6
U41 EL7104 4D7
U42 MIC29204 2C7
U43 EL7104 4D7
U44 AD811 5D7
U45 AD9500 4D2
U46 HFA1130 4C3
U47 AD811 4C4
U48 AD811 4B1
U49 AD797 4A1
U50 MIC2951_02 2D7
U51 MAX427 4A2
U52 EPM7032S 6C5
U53 74AHC04 3A6 3A6 3B6 3B6 3C2
U54 75157 3D6
U55 HA4600 5B6
U56 MAX4107 5B7
U57 HA4600 5B5
U58 HA4600 5B6
U59 MAX4107 5B7
U61 74AHC1G04_VCC 3A5
U62 74AHC1G04_VCC 3A5
XU14 HTSNKU_88115501 2B7
Y1 OSC_BP_EN_5TTL 3C5
Y2 OSC_8P_EN_5TTL 3C5
Y3 OSC_SMT_EN 3D7

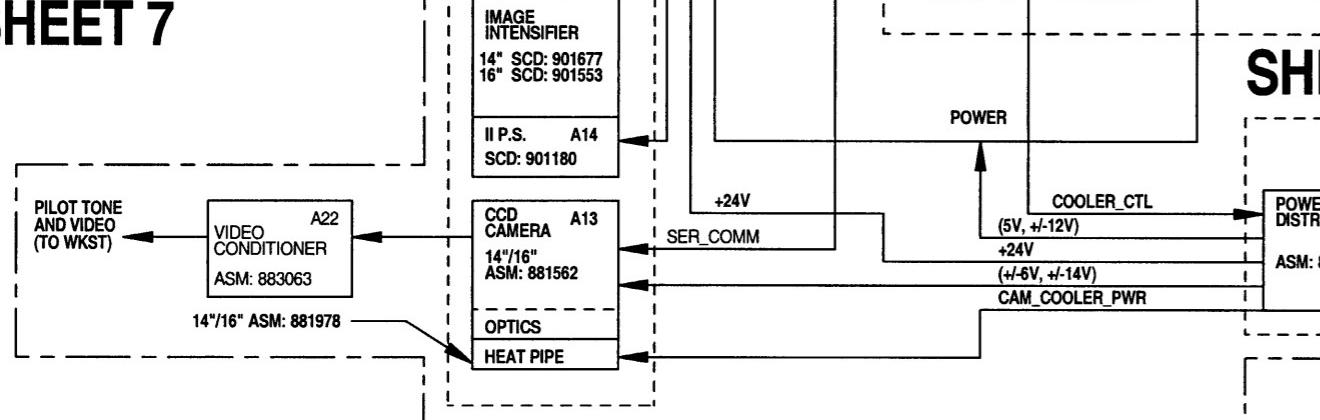
DWG NO.		SHT	REV	
(M)	ENGIN. REV	REVISIONS		EDR 01403
REV	DESCRIPTION	DATE	APPROVED	
A	RELEASED TO MFG. PER ECO DR79	10-16-01	S. HOLT	
B	REVISED PER ECO DW65	1-3-02	S. HOLT	
C	REVISED PER ECO EC14	7-1-02	J. Blaust	

1K X 1K WORKSTATION

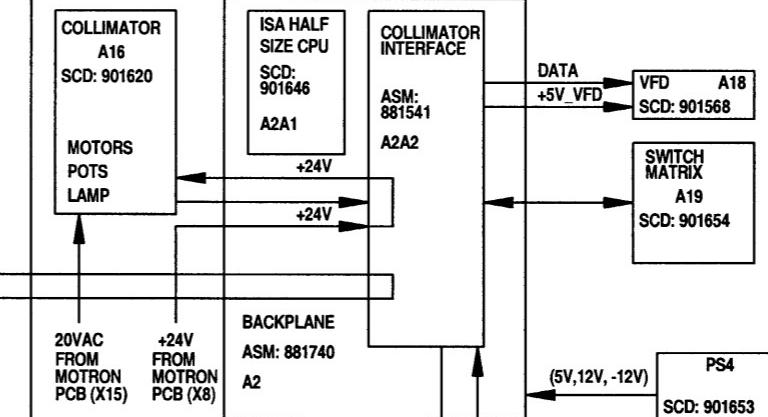
ASM: 879135

ASM TOWER / TABLE 881573-01 (STD)
881573-02 (REV)**SHEET 4****TABLE**901570-01 (STD)
901570-02 (REV)**SHEET 7**

NOTES:
1) FOR INFORMATION ON 1K X 1K WORKSTATION, REFER TO DRW# 00-878981

SHEET 8**COLLIMATOR HOUSING**

FRU: 882167

**SHEET 2****ARCNET****SHEET 6**

FRU: 882210

TABLE / GEN INTERFACE
ASM: 881569
A1A2

MOTION CONTROL

TABLE INTERFACE

GENERATOR INTERFACE

CAMERA INTERFACE

POWER

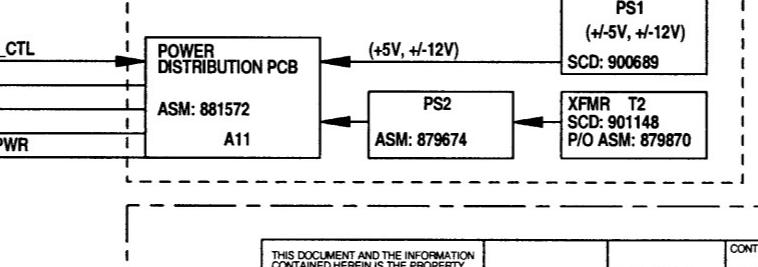
COOLER_CTL

(5V, +/-12V)

+24V

(+/-6V, +/-14V)

CAM_COOLER_PWR

SHEET 5

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SUBJECT TO LEGAL ACTION BY OEC
MEDICAL SYSTEMS FOR VIOLATIONS OR
DAMAGE ARISING FROM BREACH THEREOF.

ITEM	QTY.	PART OR IDENT NO.	DESCRIPTION
PARTS LIST			
CONTRACT NO.		APPROVED	DATE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		DRAWN	7/29/01
FRACTIONS: XX/- DECIMALS: .XX/- ANGLES: XX/- XXX/- .010 30°		CHECKED	6-1-99
NEXT ASSEMBLY	USED ON	FINISH	
APPLICATION	DO NOT SCALE DRAWING	ENGINEERING	SIZE D DWG NO. 00-881504 REV C
		APPROVED	SCALE: NONE LAST CHANGED: 01/29/02 SHEET 1 OF 10

SHEET 3**X-RAY CONTROL CONSOLE**

FRU: 881776

ISA HALF SIZE CPU
SCD: 901646
A3A1XRAY CONTROL INTERFACE
ASM: 881566
A3A2BACKPLANE
ASM: 881740
A3SWITCH MATRIX
SCD: 901621
A21PS3
SCD: 901653TABLE HAND CONTROL
A6
SCD: 901571DATA
+5V_VFD
SCD: 901568VFD A20
SCD: 901568SWITCH MATRIX
SCD: 901621
A21PS3
SCD: 901653**SHEET 8**

883495-01: 40KW, 1PH

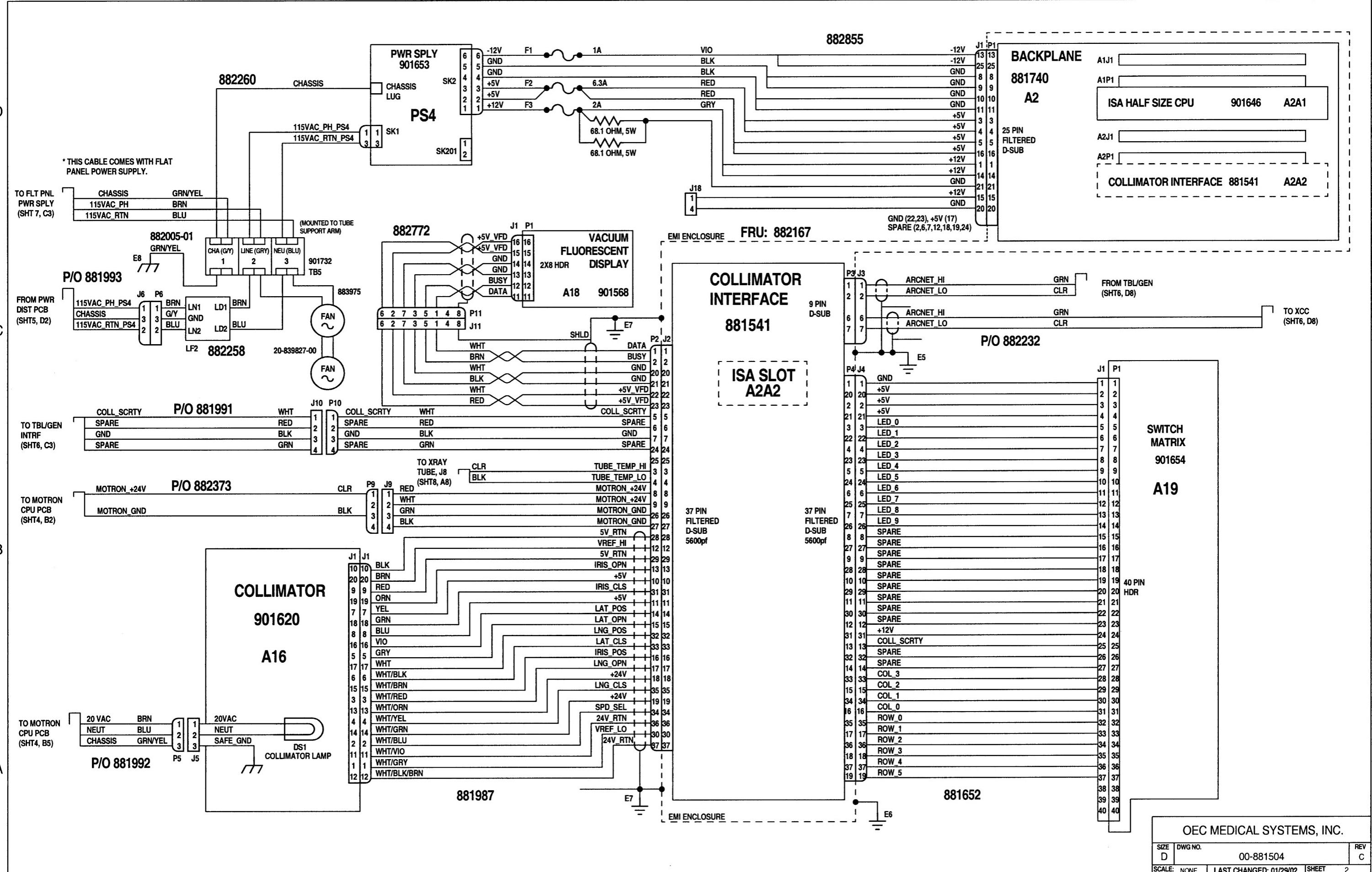
883494-01: 65/80KW, 3PH

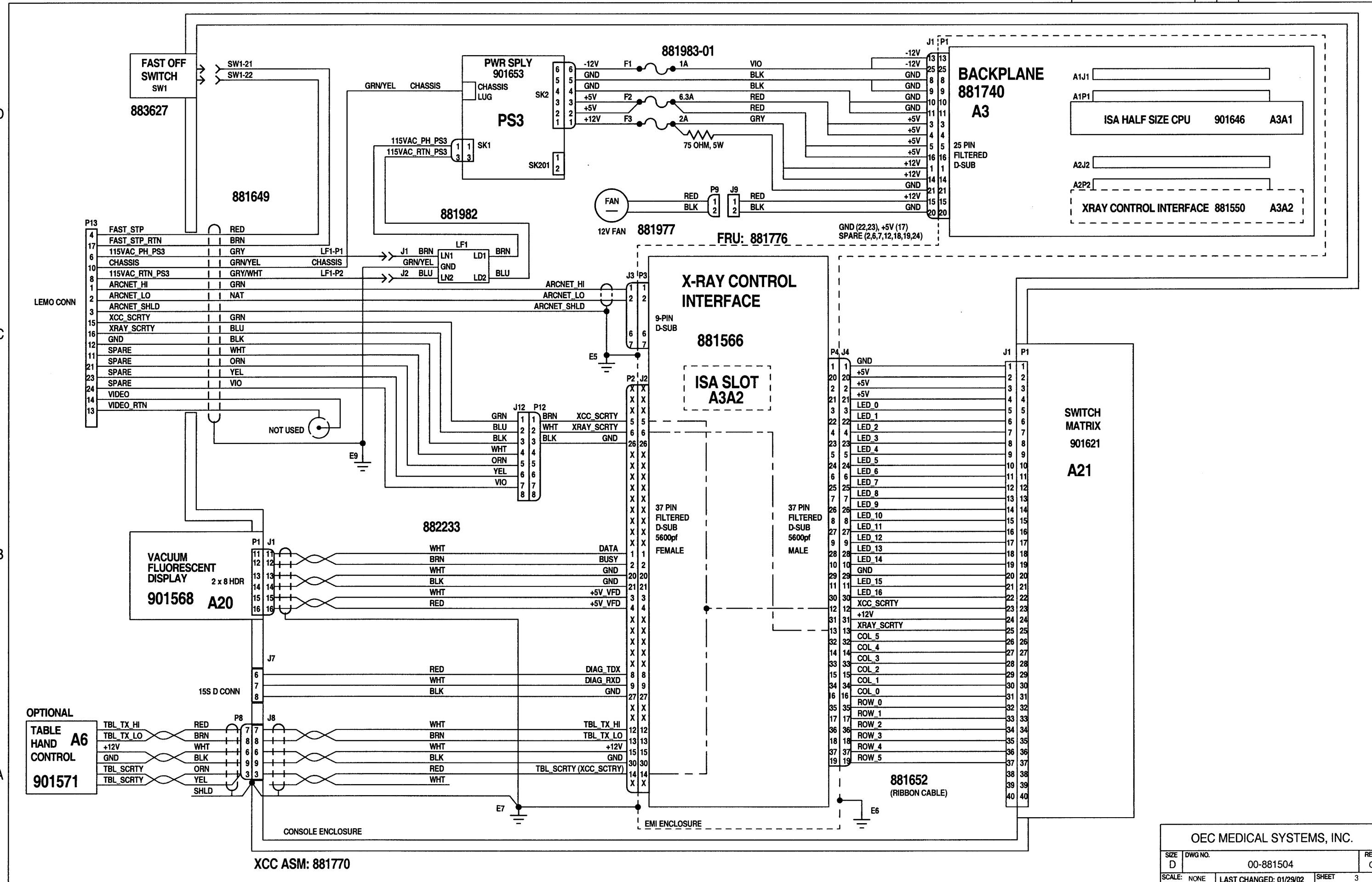
SHEET 9: AC PWR: TABLE / WORKSTATION**SHEET 10: AC PWR: GENERATOR**

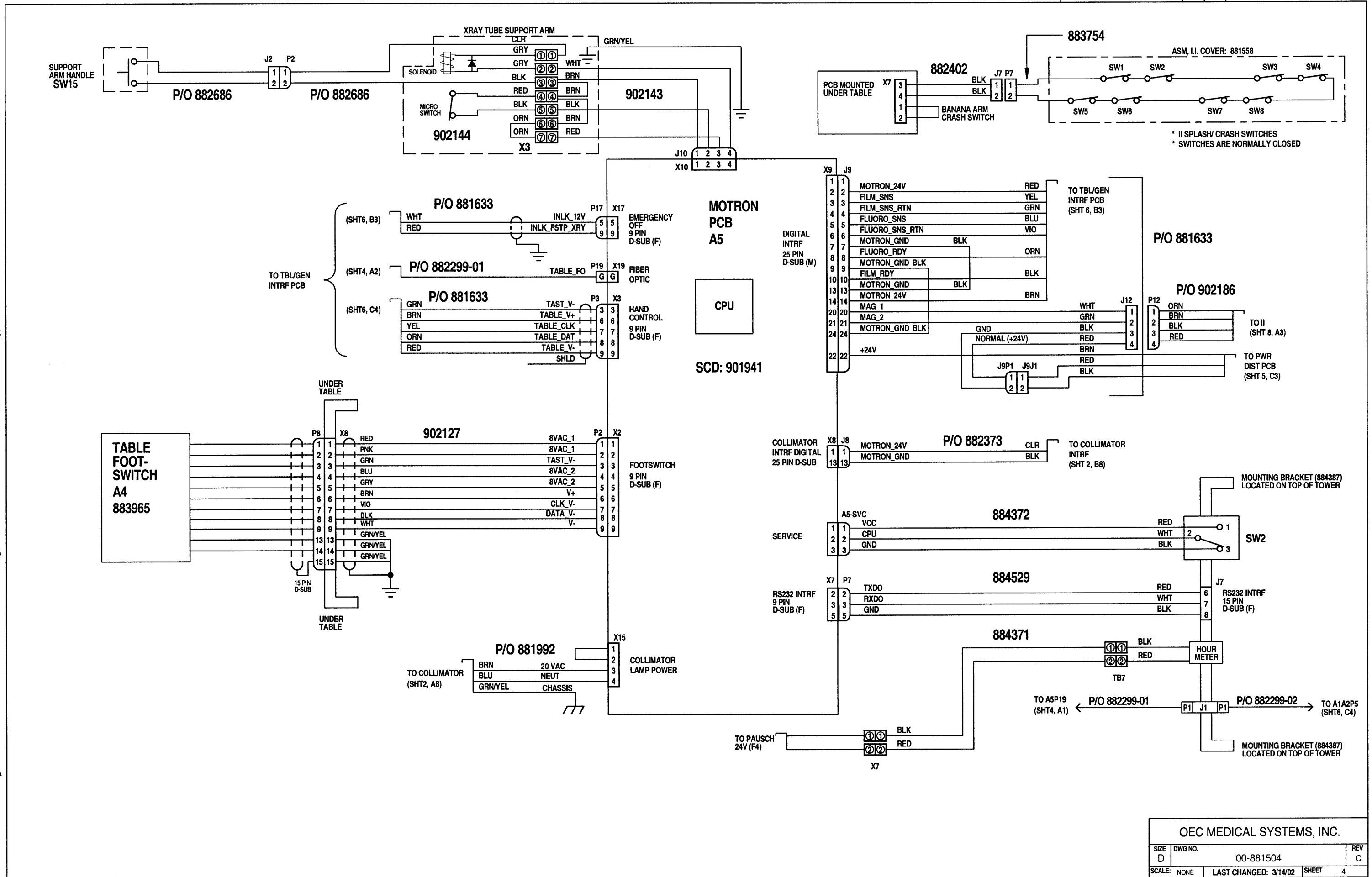
-01 SHOWN

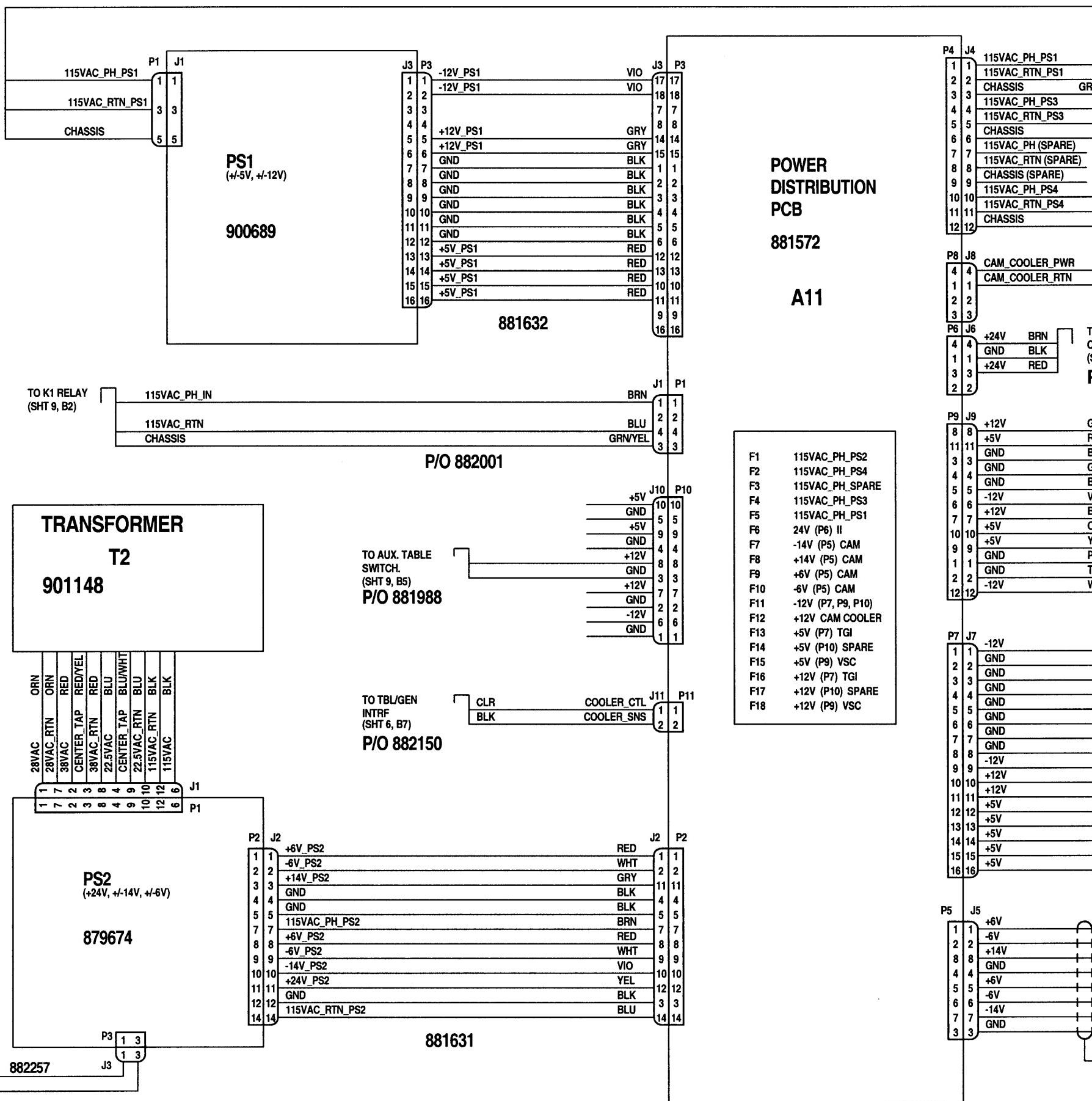
OEC MEDICAL SYSTEMS, INC.

2800 INTERCONNECT DIAGRAM



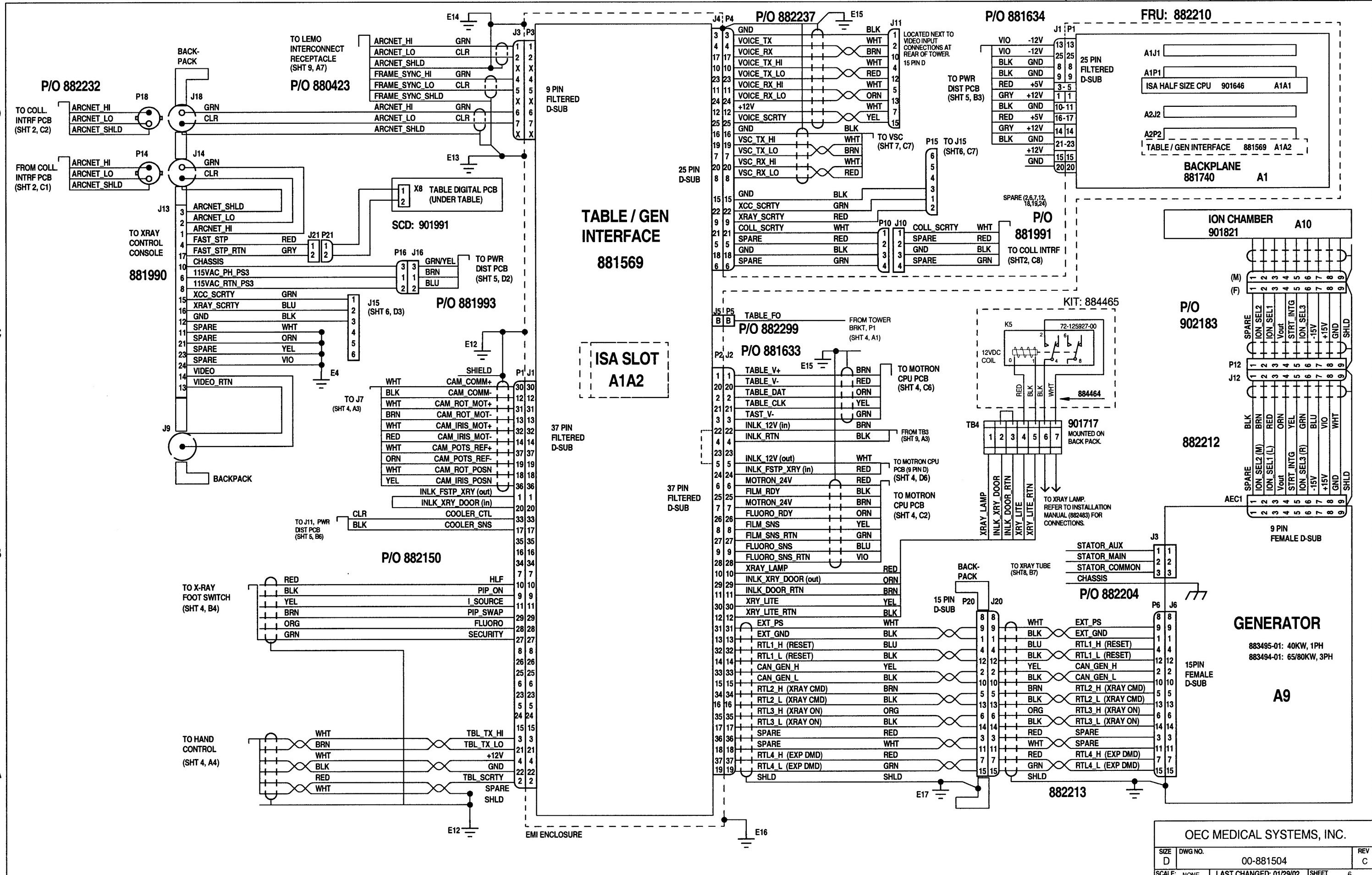


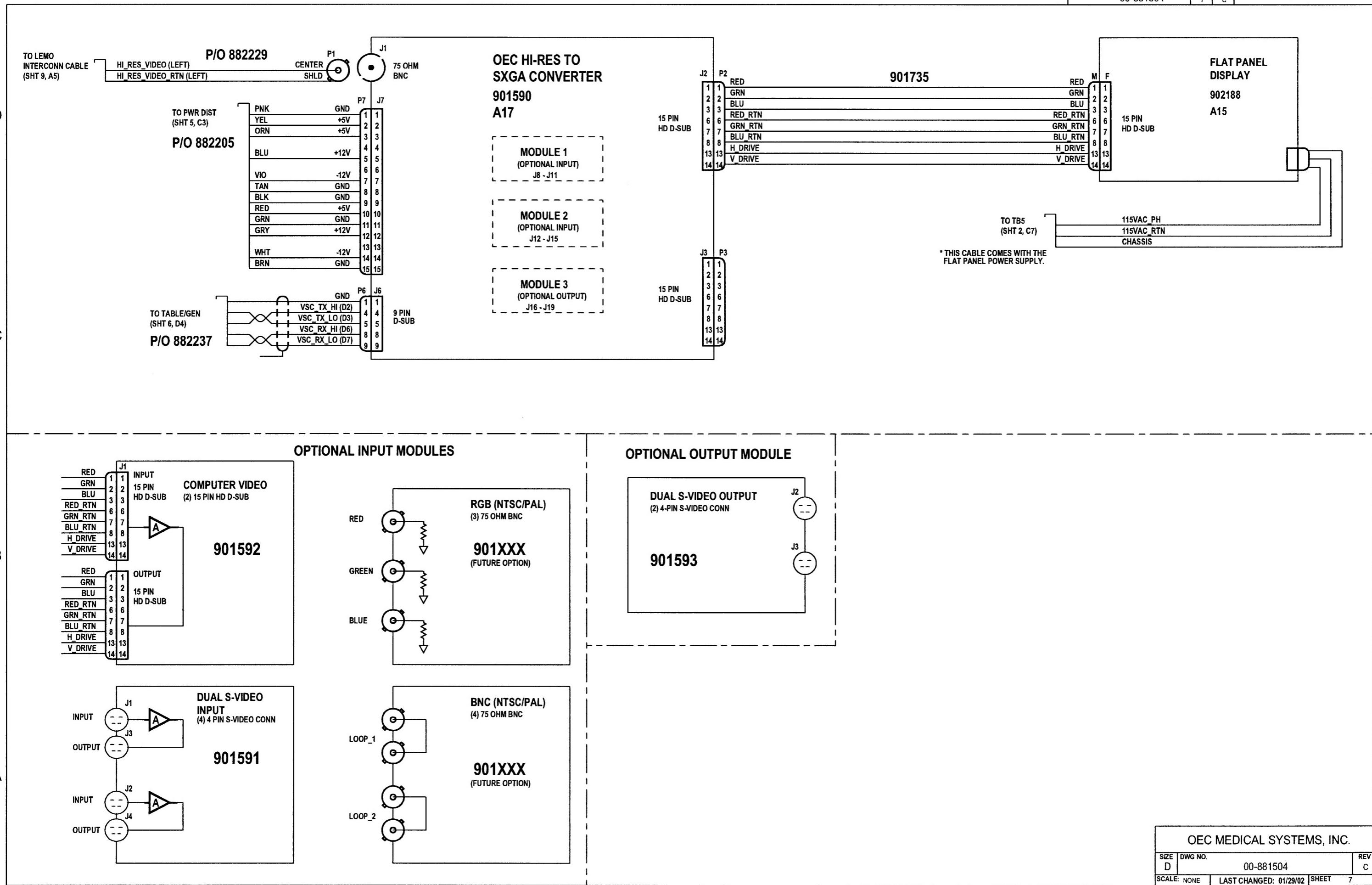


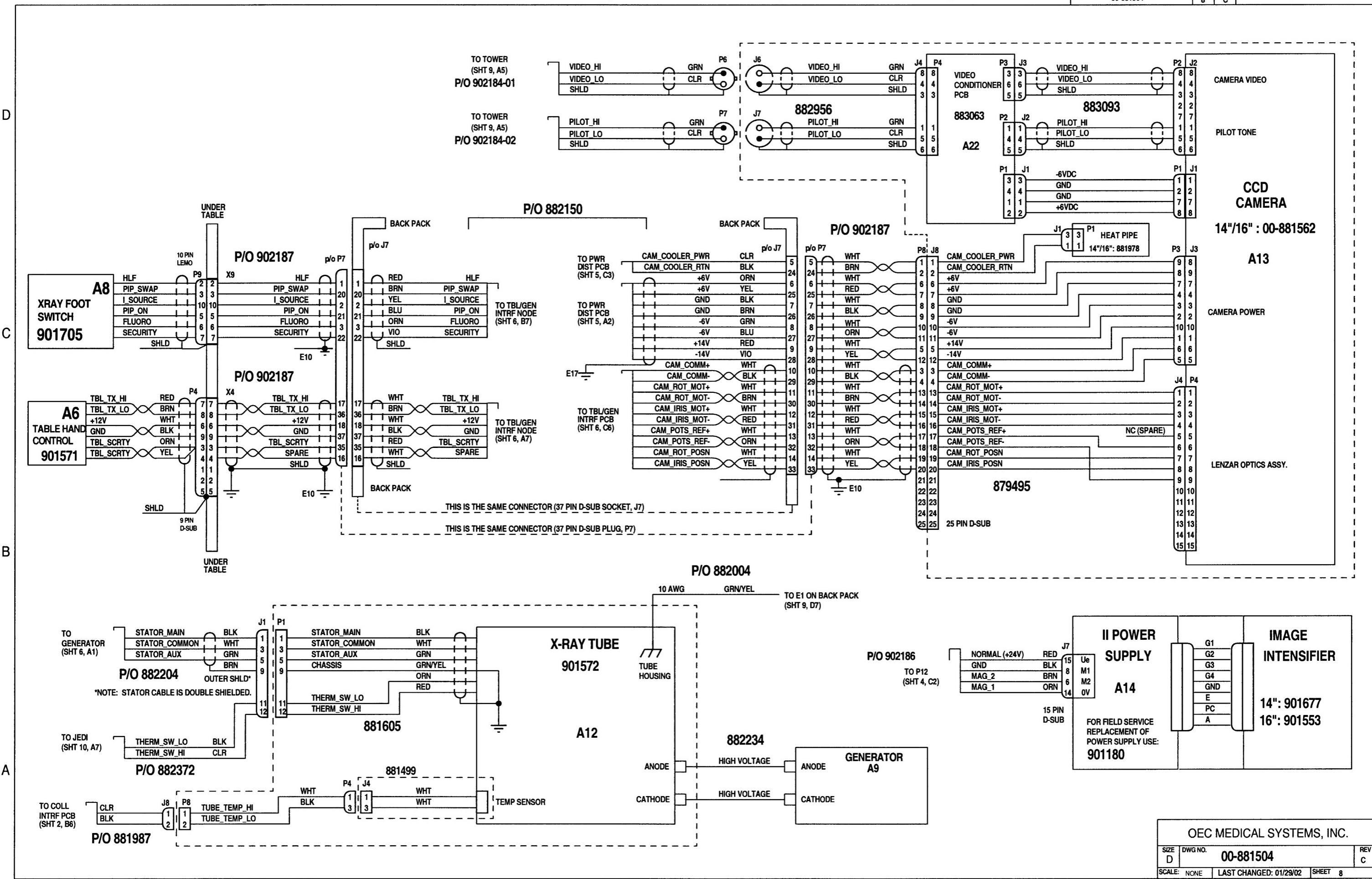


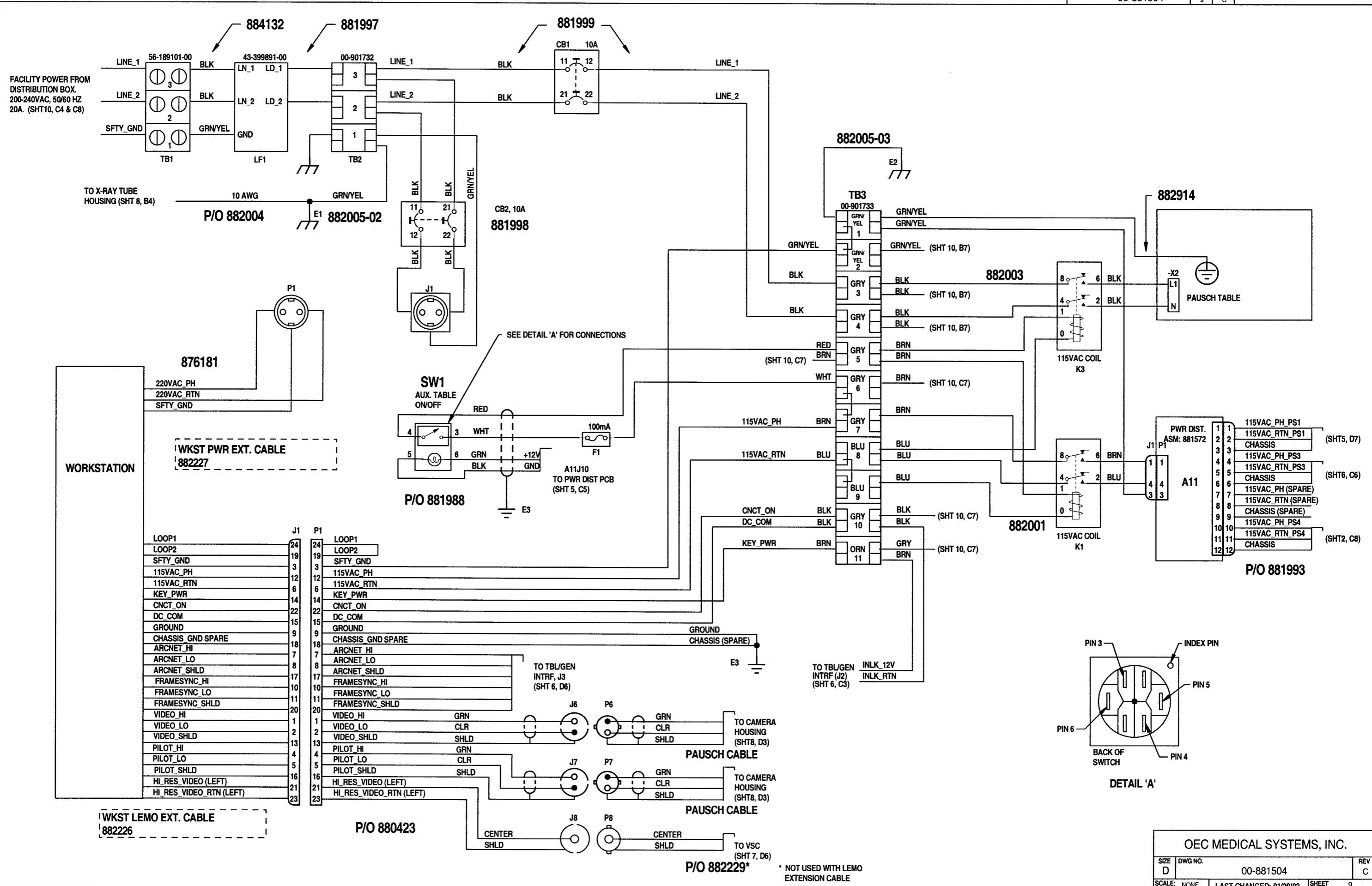
OEC MEDICAL SYSTEMS, INC.

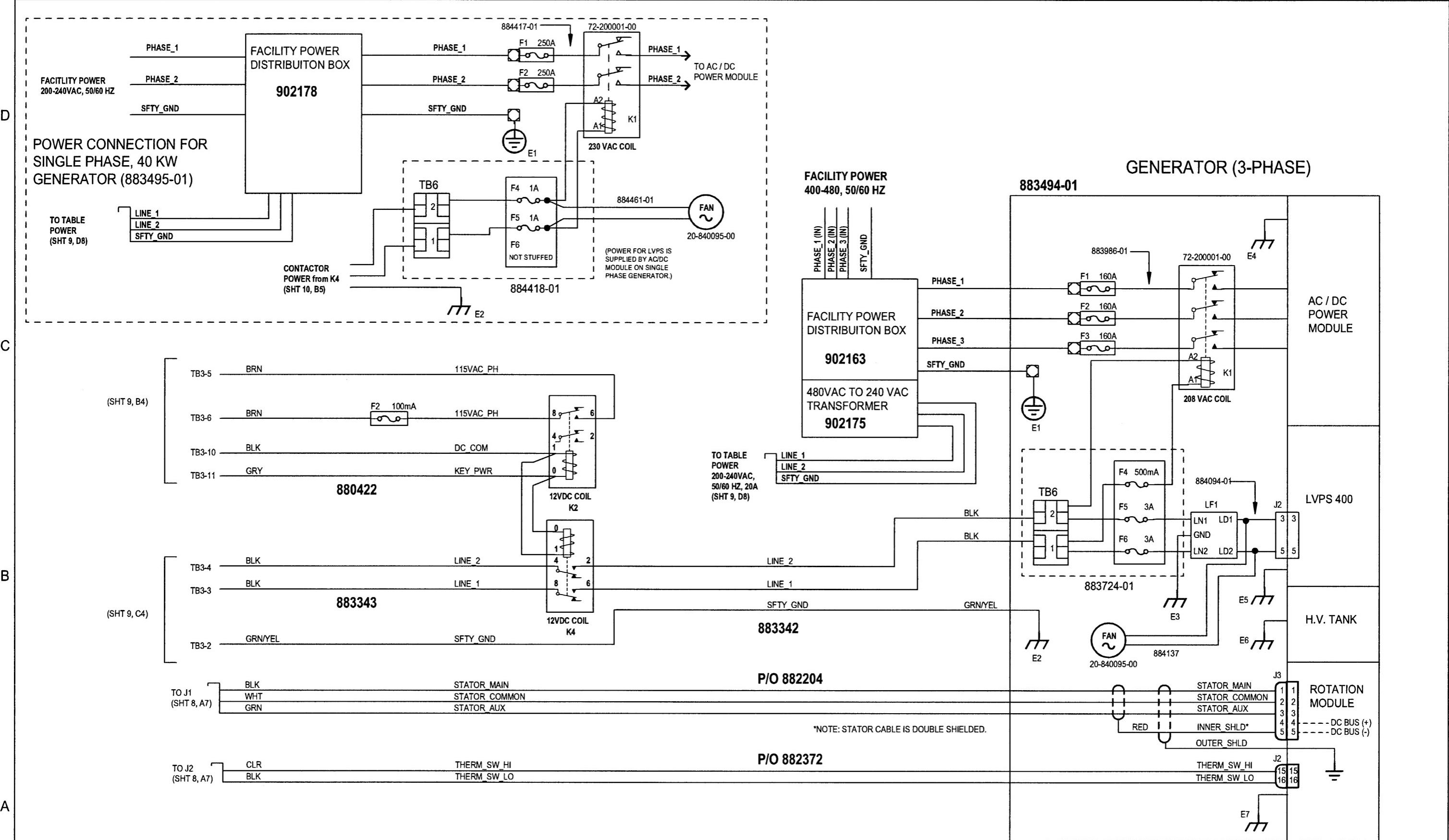
SIZE D	DWG NO. 00-881504	REV C
SCALE: NONE	LAST CHANGED: 01/29/02	SHEET 5







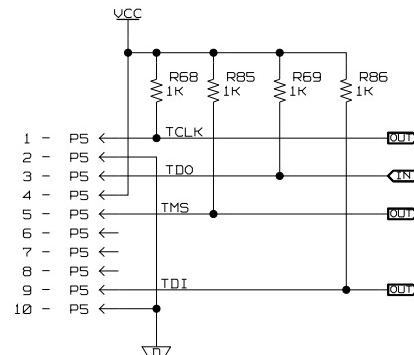




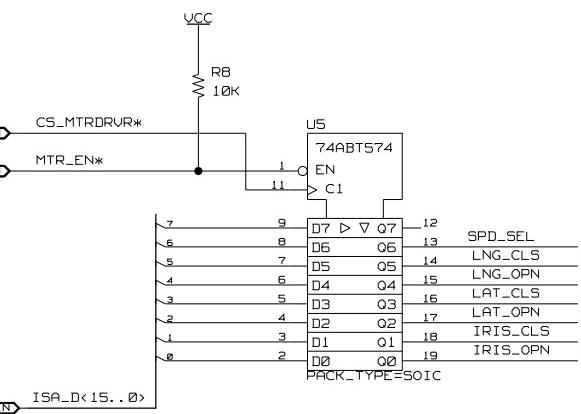
OEC MEDICAL SYSTEMS, INC.

SIZE	DWG NO.	REV
D	00-881504	C
SCALE: NONE	LAST CHANGED: 03/14/02	SHEET 10

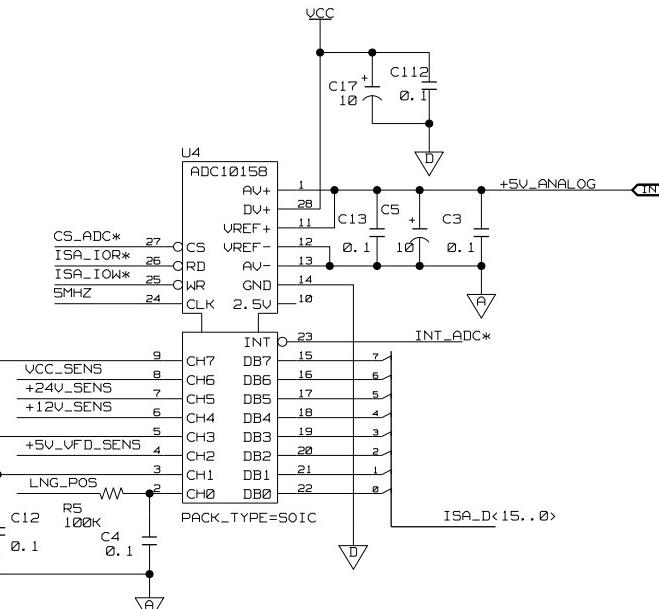
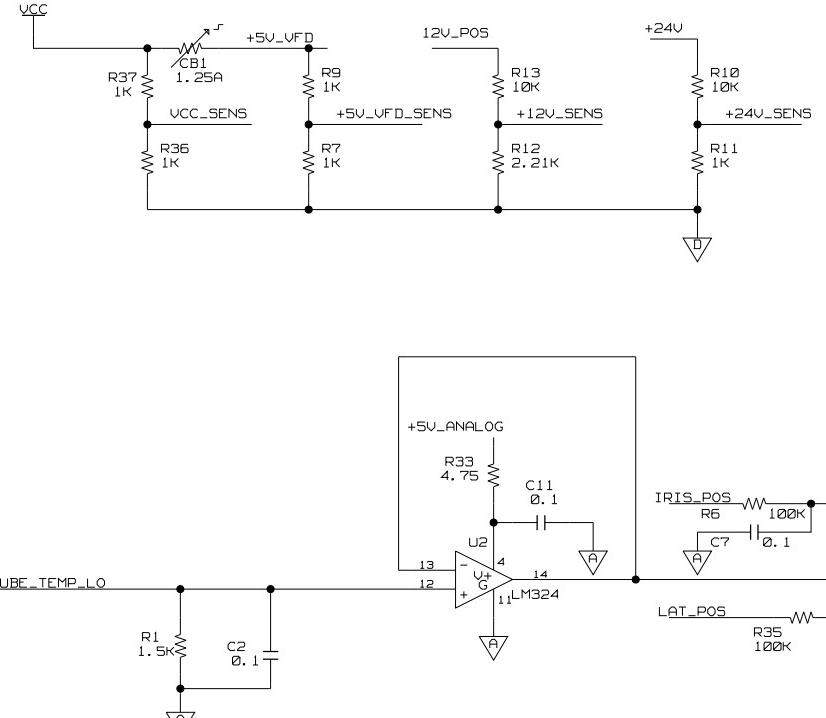
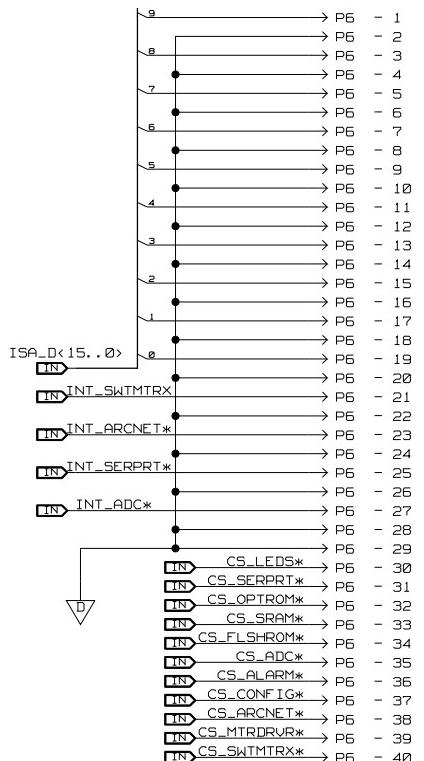
JTAG PORT



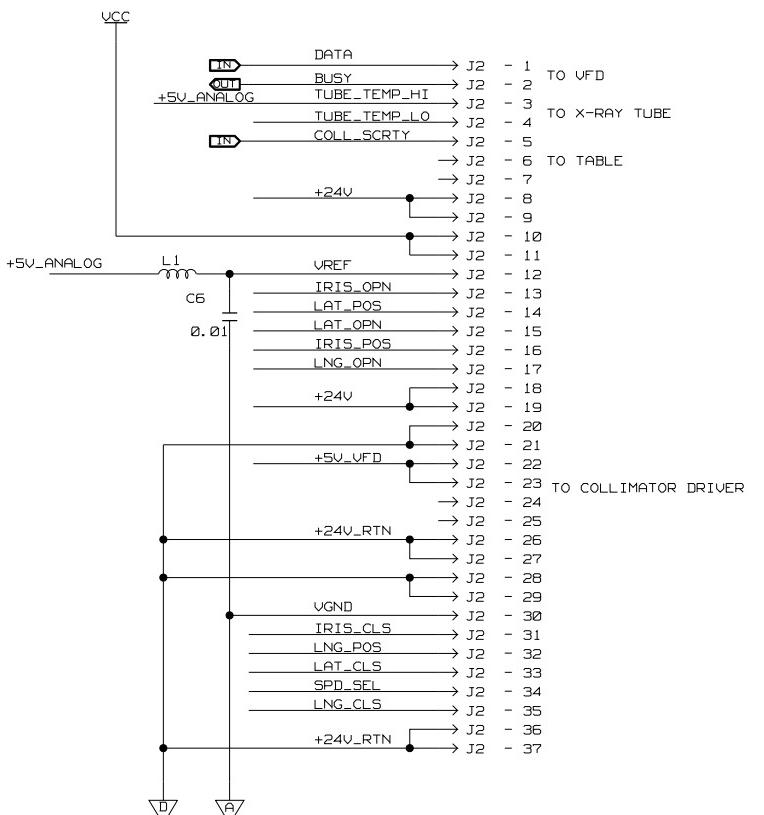
COLLIMATOR INTERFACE



TEST PORT



DWG NO.		00-881539	SHT	1	REV	1
(M)		ENGIN. REV. 3	REVISIONS		EDR 01403	
REV	DESCRIPTION		DATE		APPROVED	
A	RELEASED TO MANUFACTURING PER ECO DL46		8-07-01		M. SARGENT	
A1	REVISED PER ECO DM55					

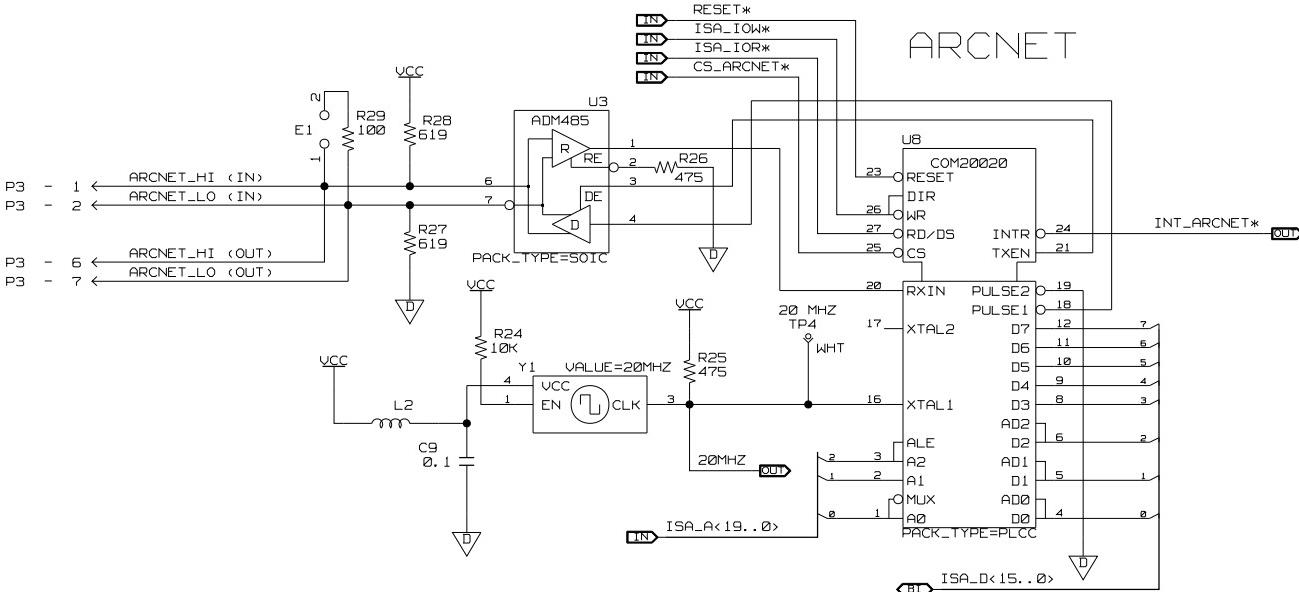


-01 SHOWN

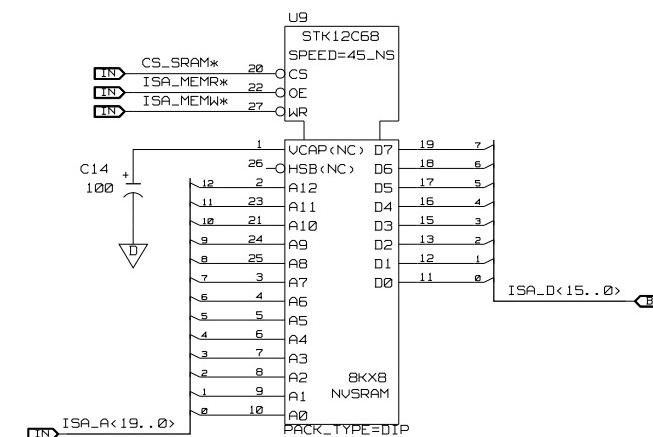
DRAWING
LAST_MODIFIED=Mon Aug 27 15:14:20 2001
ACTIVE_BOMS=-21

ITEM	QTY.	PART OR IDENT NO.	DESCRIPTION
PARTS LIST			
		CONTRACT NO.	APPROVED DATE
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: +/- .XX.XX/ DECIMALS: .XX.XX/ ANGLES: +/- .XX.XX/	MATERIAL DRAWN ART MICHAELSON 5/6/99
00-881541	2800	FINISH CHECKED C. BALL 8/10/99	ENG. ENGINEERING ART MICHAELSON 5/6/99
NEXT ASSEMBLY	USED ON	ANGLES: +/- .XX.XX/	APPROVED ART MICHAELSON 5/6/99
APPLICATION		DO NOT SCALE DRAWING	SCALE: REV A1 DWG NO. 00-881539 SHEET 1 OF 9

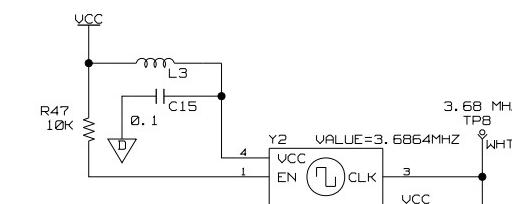
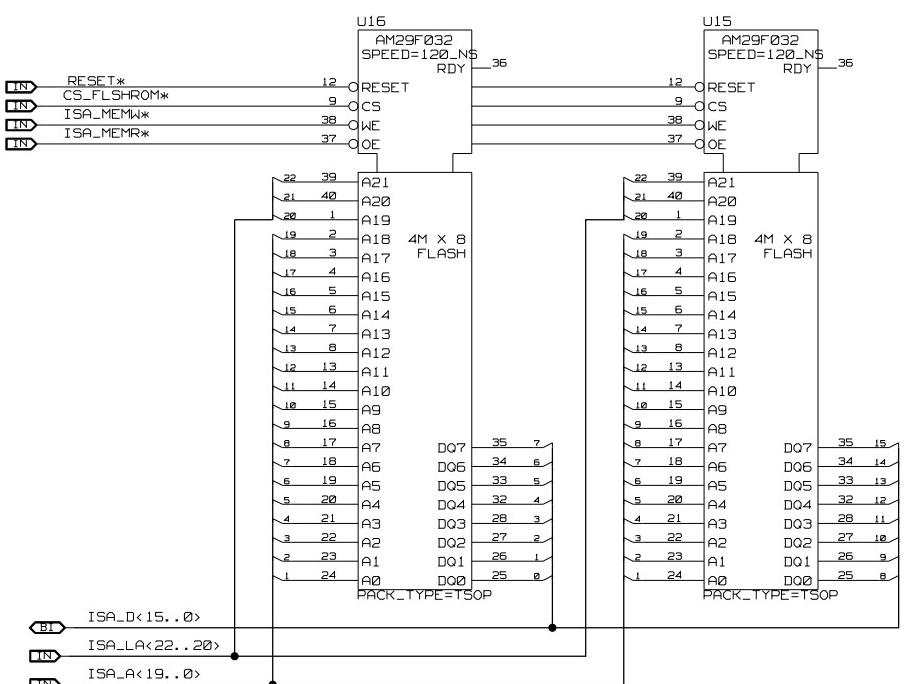
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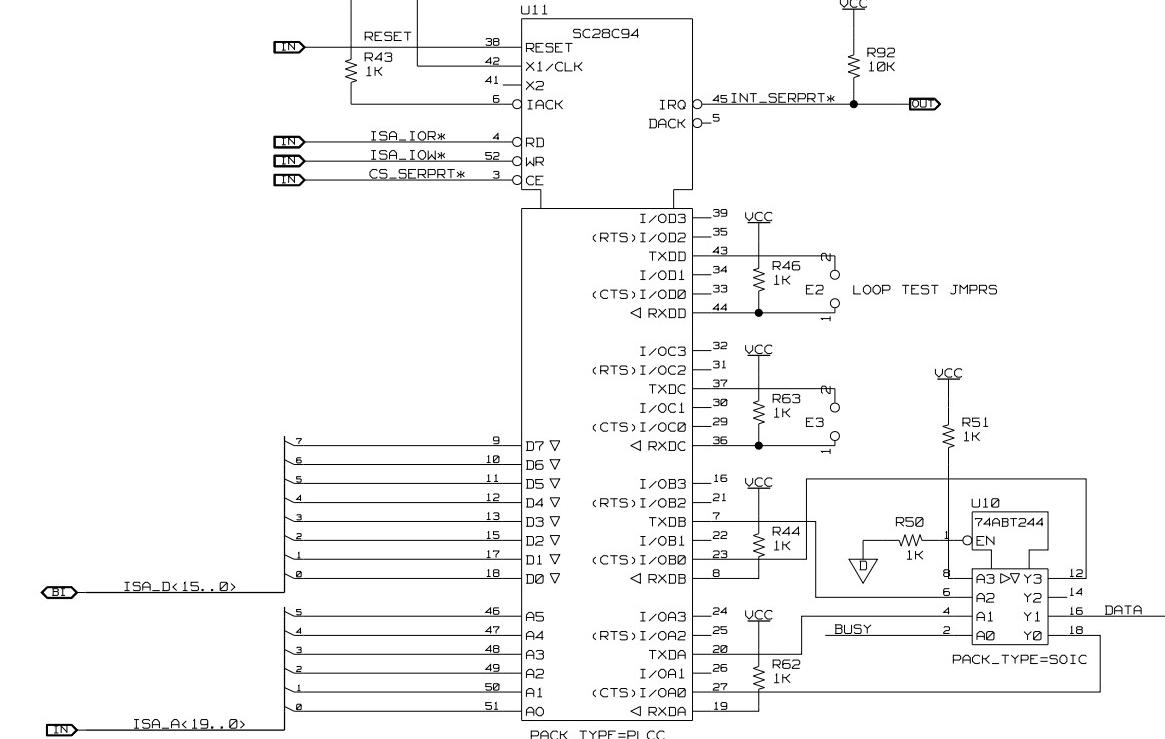
NON VOLATILE RAM



FLASH MEMORY



SERIAL COMMUNICATION

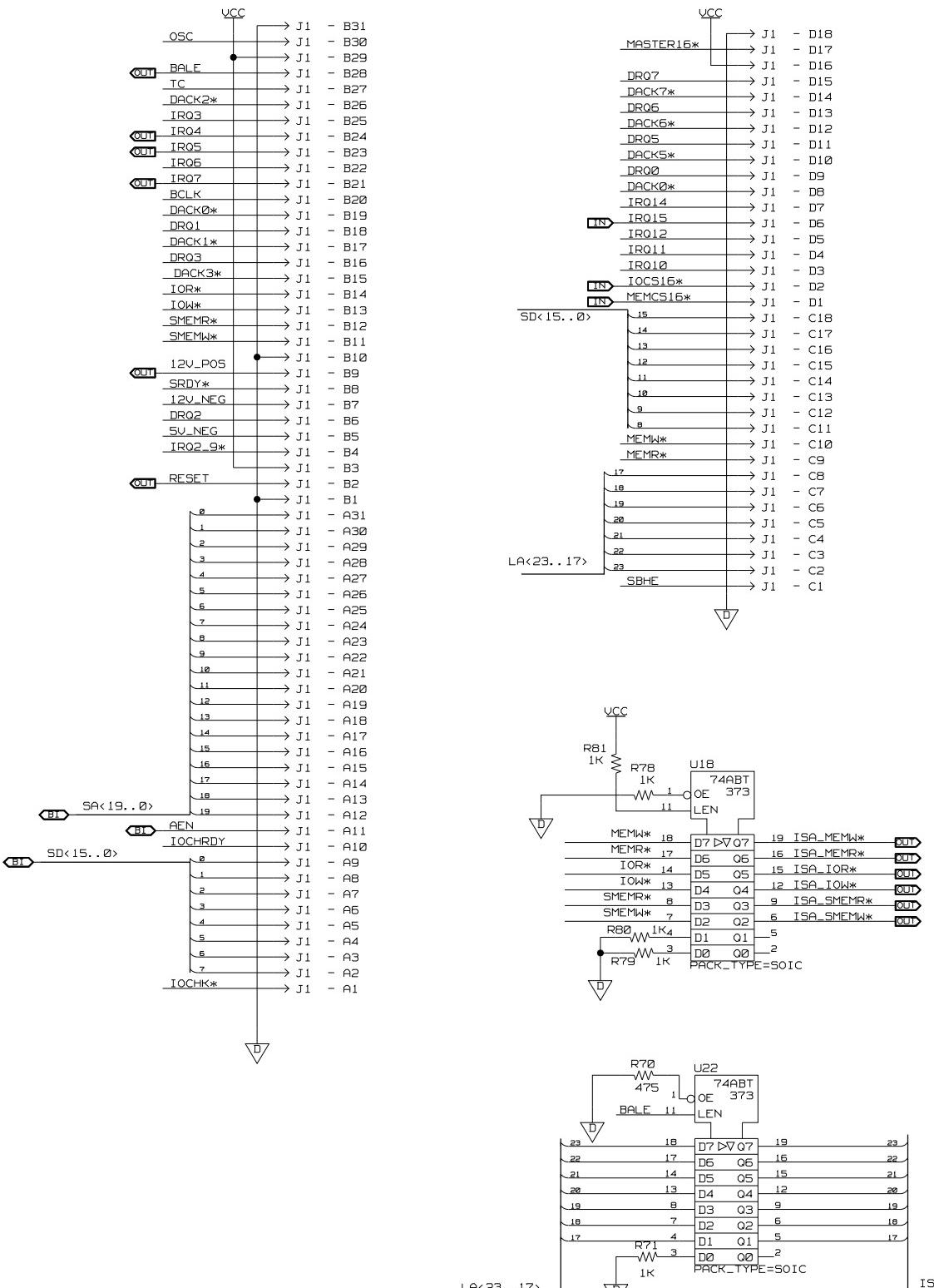


DRAWING
LAST_MODIFIED=Mon Aug 27 14:57:59 2001

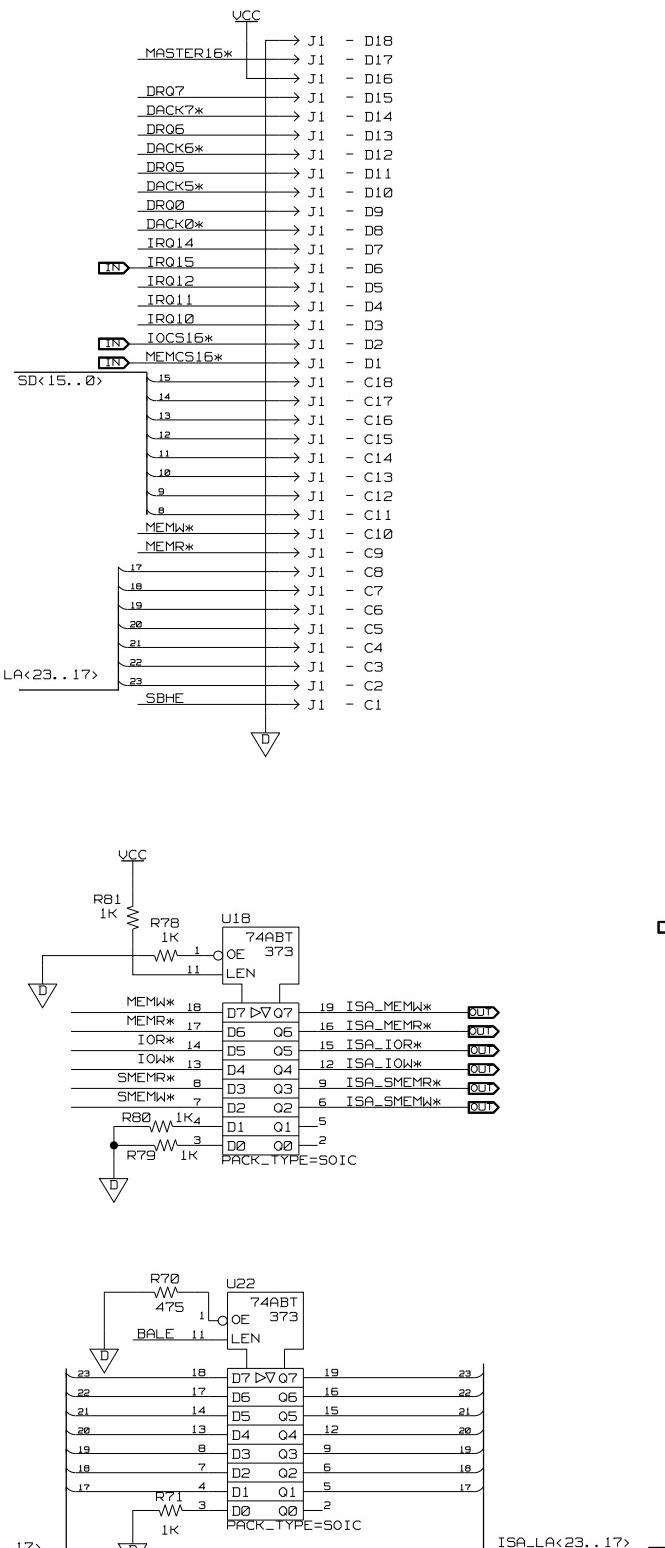
OEC MEDICAL SYSTEMS, INC.		
SIZE	DWG NO.	REV
D	00-881539	A1

SCALE: NONE SHEET 2 OF 9

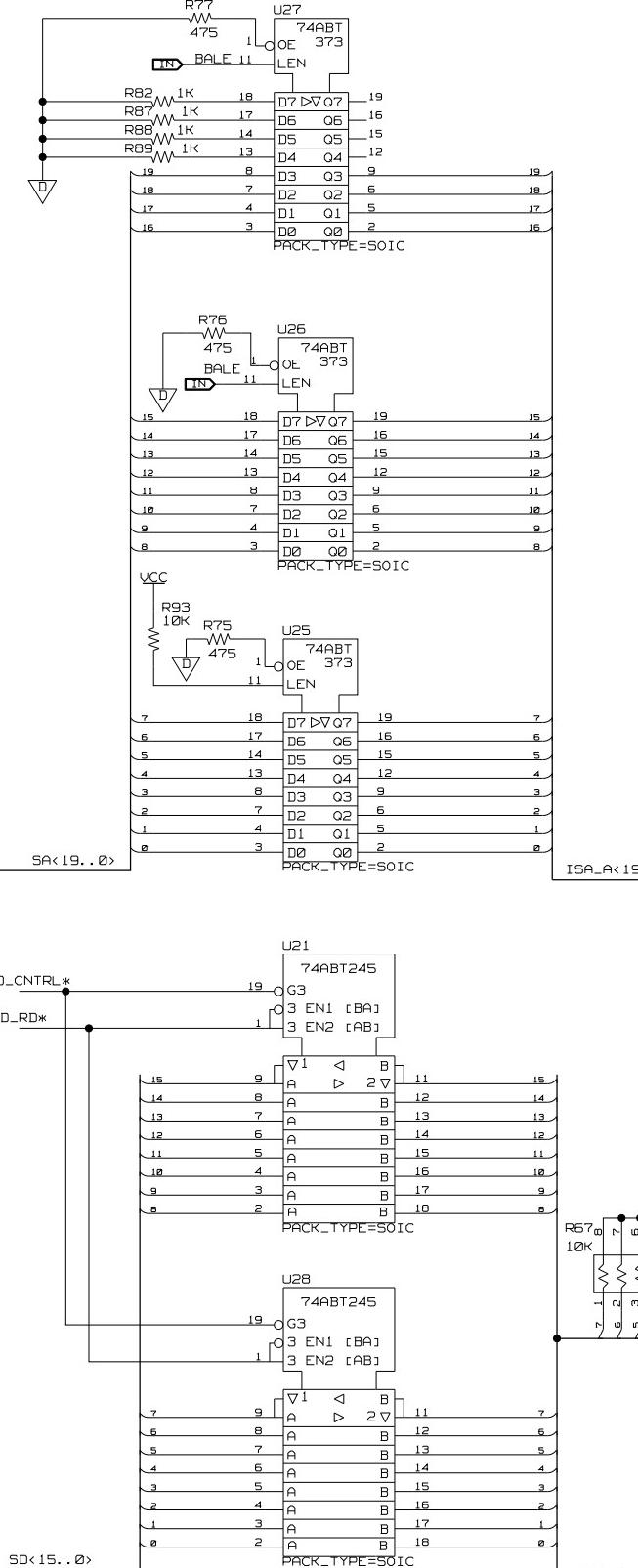
AT CONNECTOR PINS A/B



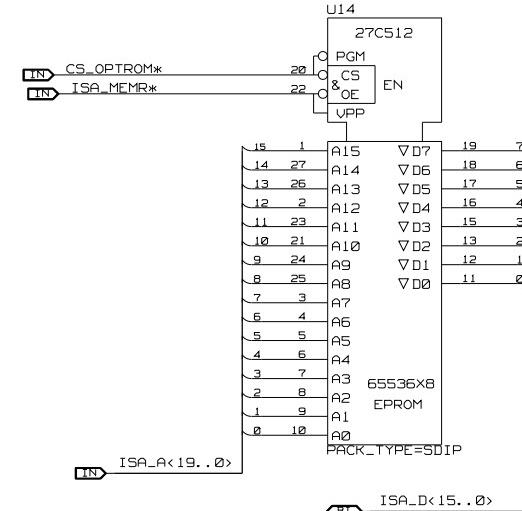
AT CONNECTOR PINS C/D



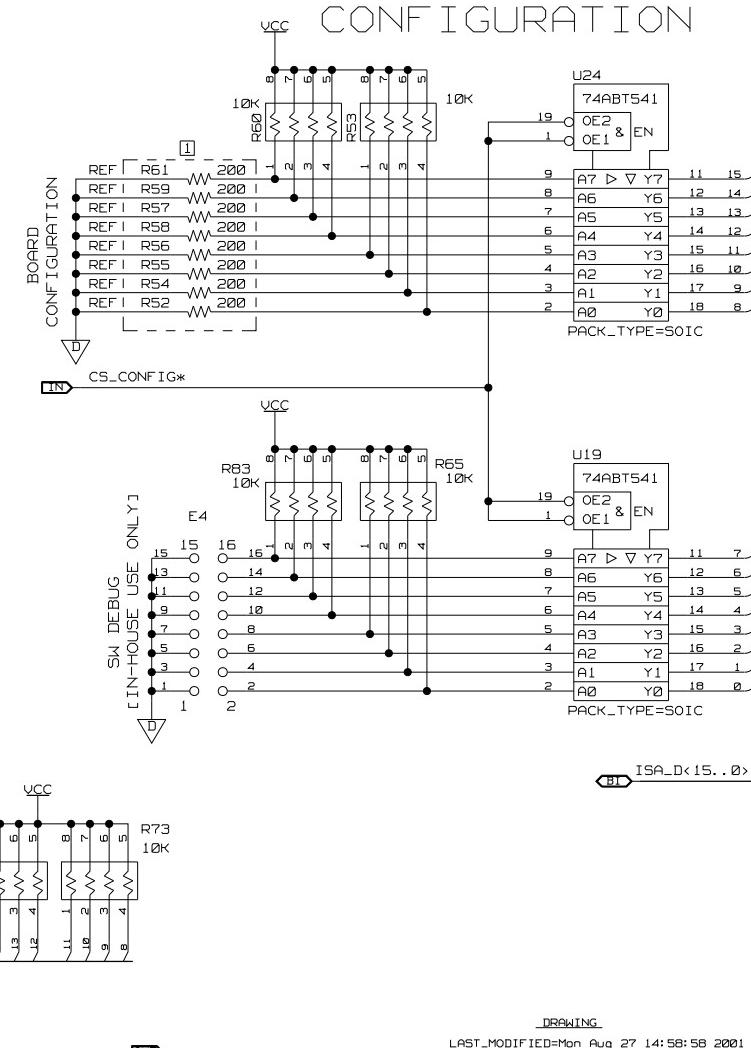
BUSS BUFFERS



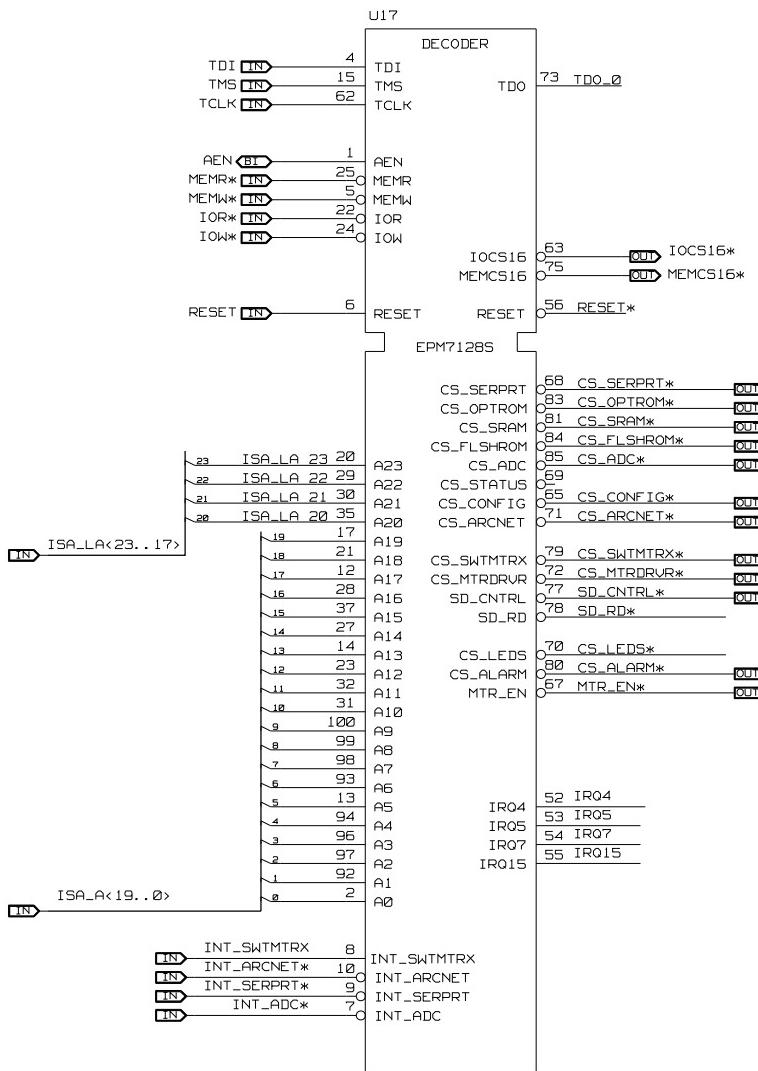
OPTION ROM



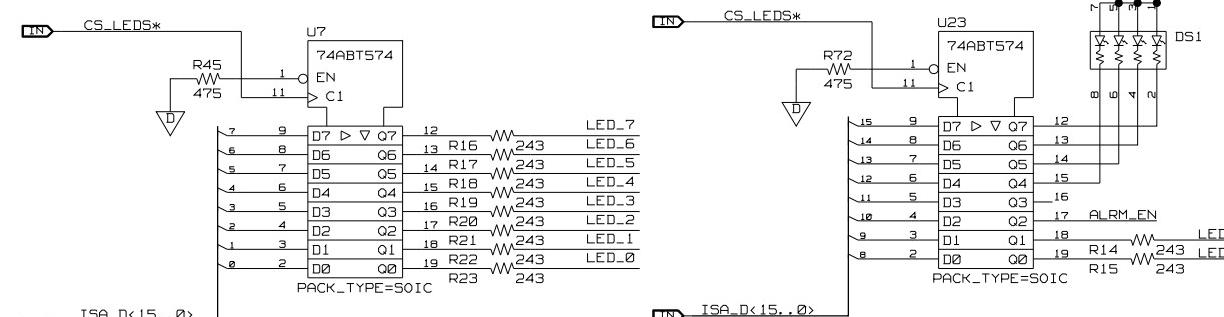
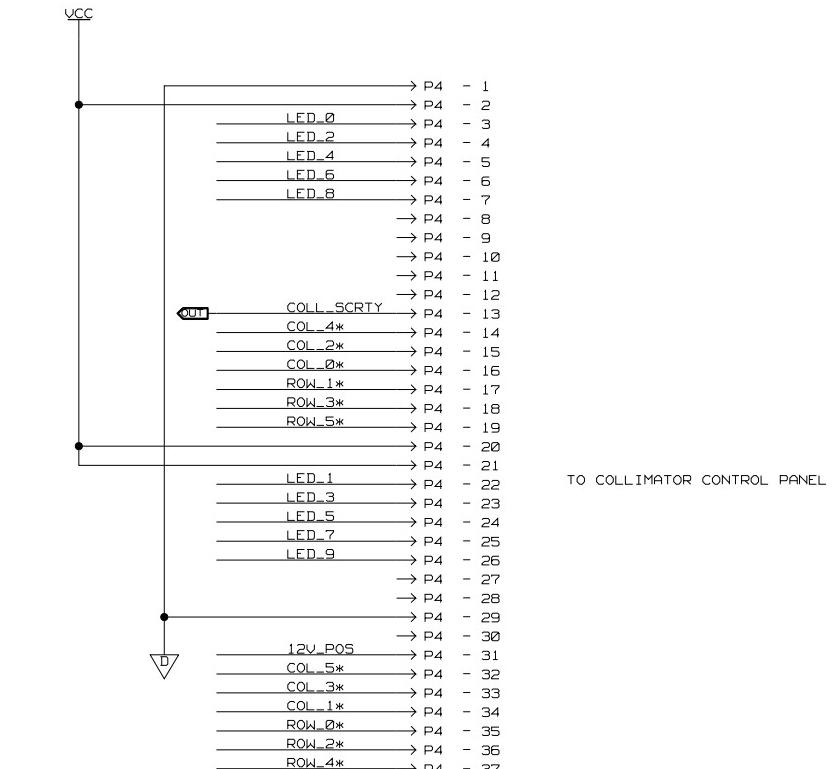
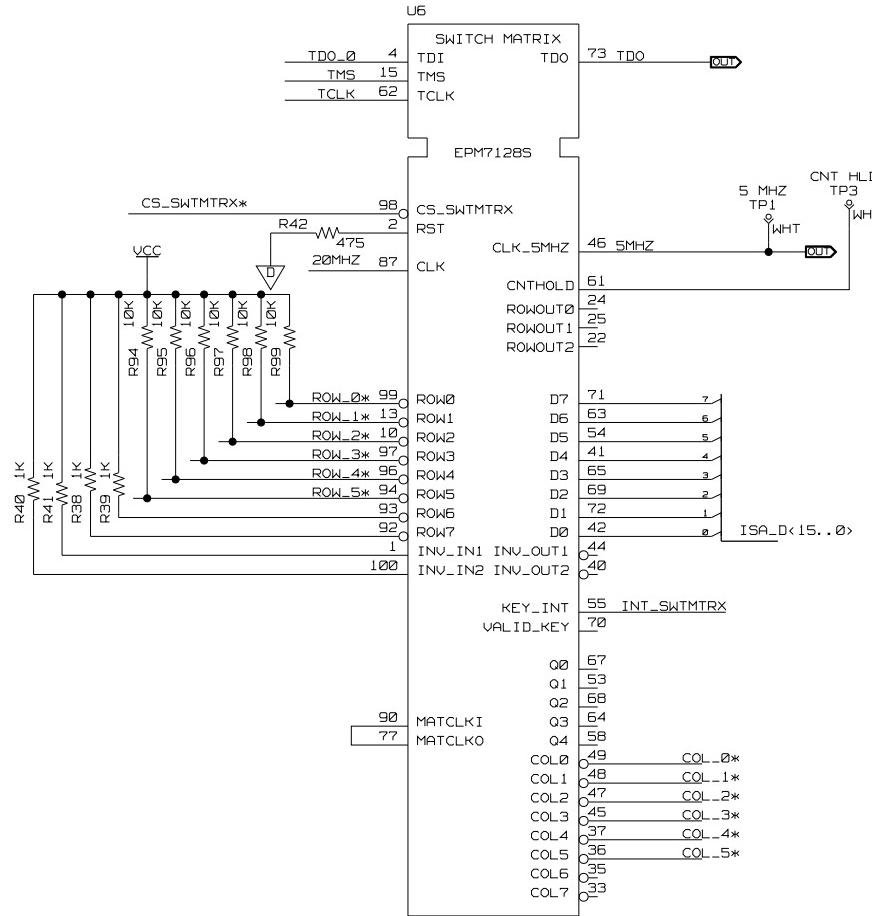
CONFIGURATION



ADDRESS DECODER



SWITCH MATRIX INTERFACE



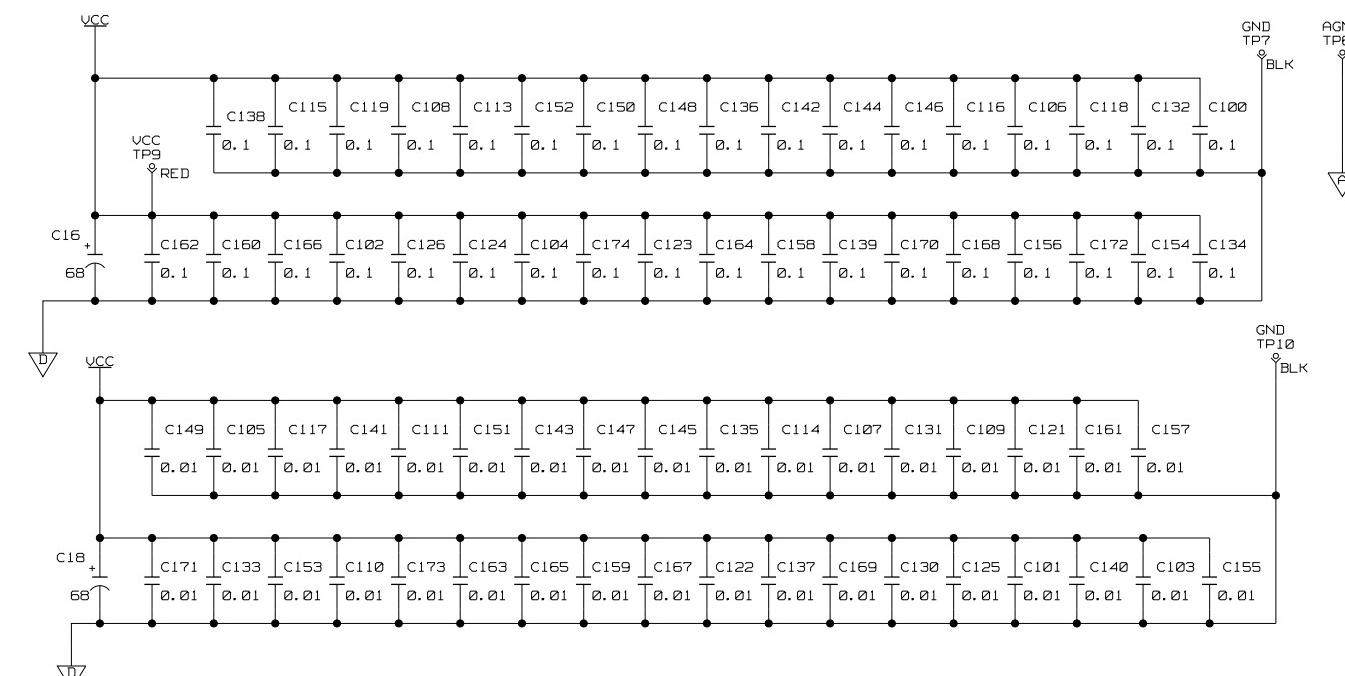
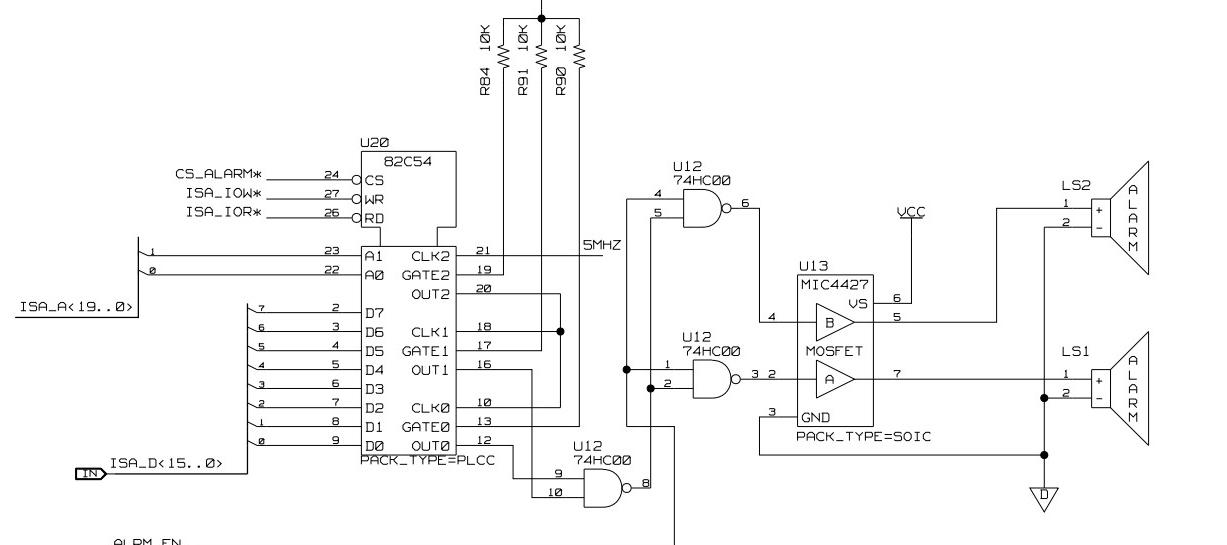
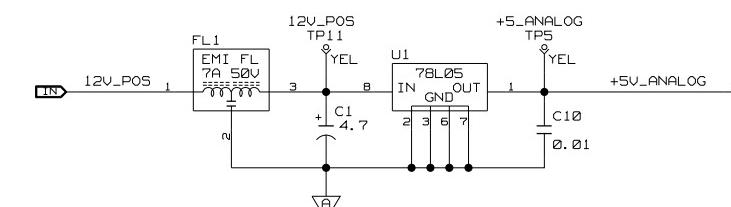
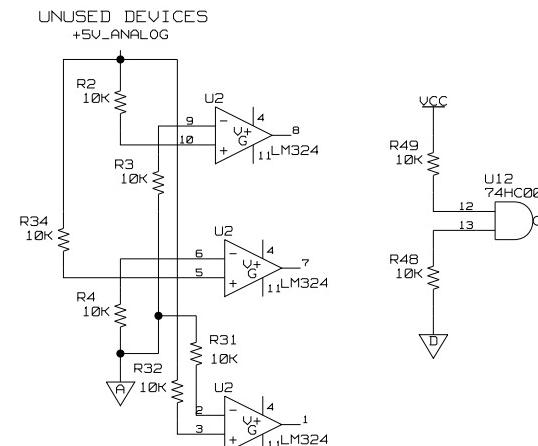
DIGITAL

REF DES	DEVICE	GND	+5V	UNUSED
U3	ADM485			
U4	ADC10158	14	28	
U5, U7, U23	74ABT574	10	20	
U6, U17	EPM7128S	11, 26, 38, 43	3, 18, 34, 39	
		59, 74, 86, 95	51, 66, 82, 91	
U8	COM20020	15, 28	7, 14, 22	
U9	STK12C68	14	28	
U11	SC28C94	1, 14, 28, 40	2	
U12	74HC00	7	14	
U13	MIC4427	3	6	
U14	27CS12	14	28	
U15, U16	AM29F032	29, 30	10, 31	
U18, U21, U25	74ABT373	10	20	
U26, U27	74ABT373	10	20	
U21, U28	74ABT245	10	20	
U19, U24	74ABT541	10	20	
U20	82C54	14	28	

ANALOG

REF DES	DEVICE	GND	+5V	UNUSED
U2	LM324	11	4 TR	
U4	ADC10158	12, 13	1	

REFERENCE DESIGNATIONS	
HIGHEST	UNUSED
U28	
C174	C8, C19-C99
CB1	
R99	R30, R64
DS1	
E4	
FL1	
L3	
LS2	
TP11	TP2
Y2	



00-881539-01 SCH, PCB, COLLIMATOR CONTROL
00-881540-01 PCB, COLLIMATOR CONTROL, A/F
00-881541-01 SPEC, PERF COLLIMATOR INTF PCB
00-901419-01 BRKT, ISA, DSUB CUTOUT
12-225104-04 SCR, SEMS SPR,PAN,TRX, 4-40, 1/4, SZC SIZE=2
ASM_L6
00-882055-01 ASM, FW, SWT MTRX, COLL, INTFCE, 2800
ASM_U17
00-882058-01 ASM, FW, DECODE, COLL, INTFCE, 2800
ASM_U14
00-884189-01 FW ASM, COLL INTF, OPT ROM
81-559614-00 WIRE, 1422, 30-50L, UL, WHT, .0200D

DRAWING
LAST_MODIFIED=Mon Aug 27 15:08:40 2001

OEC MEDICAL SYSTEMS, INC.
SIZE DWG NO. D 00-881539 REV A1
SCALE: NONE SHEET 5 OF 9

D

D

C

C

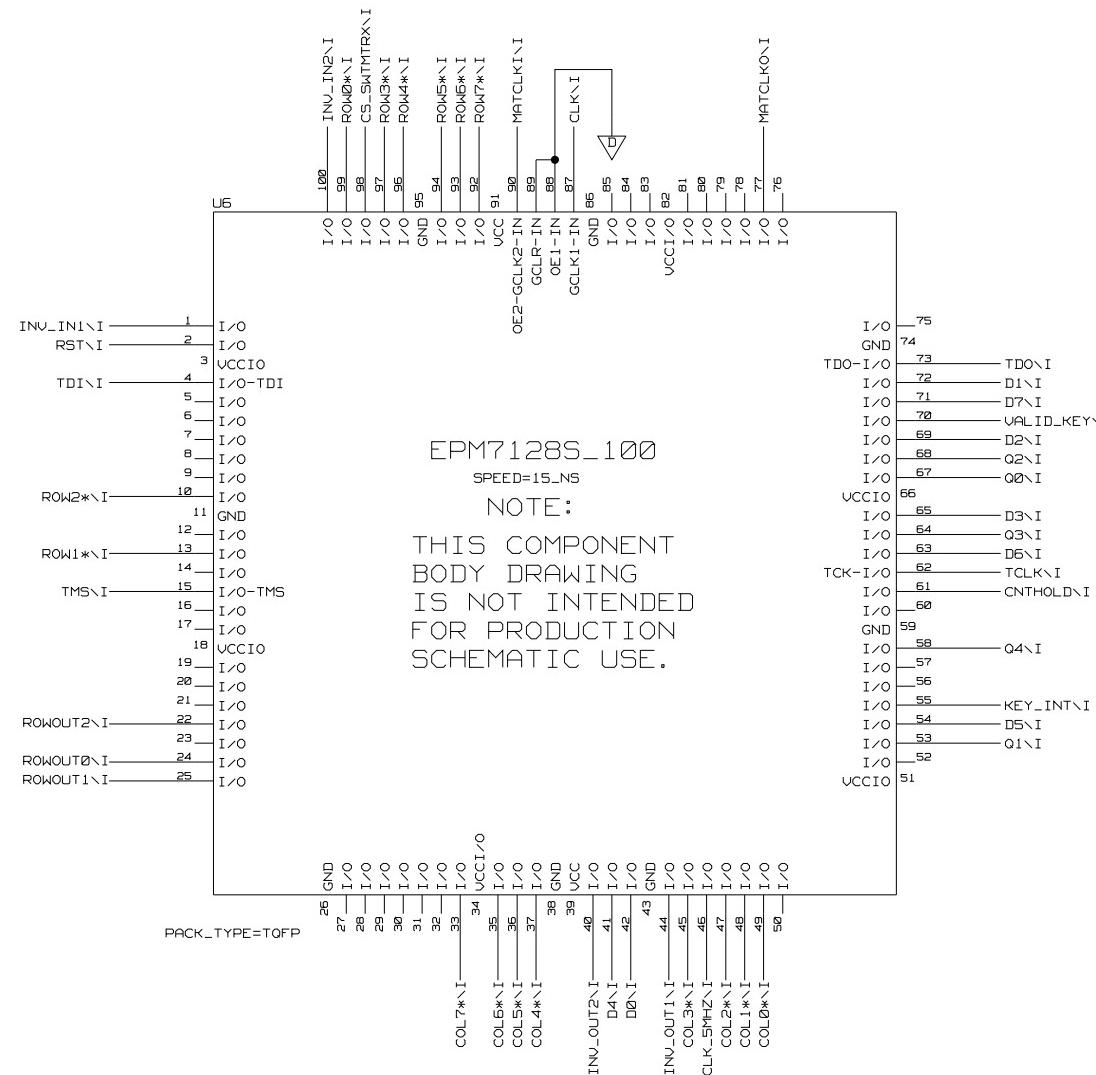
B

B

D

D

SWITCH MATRIX

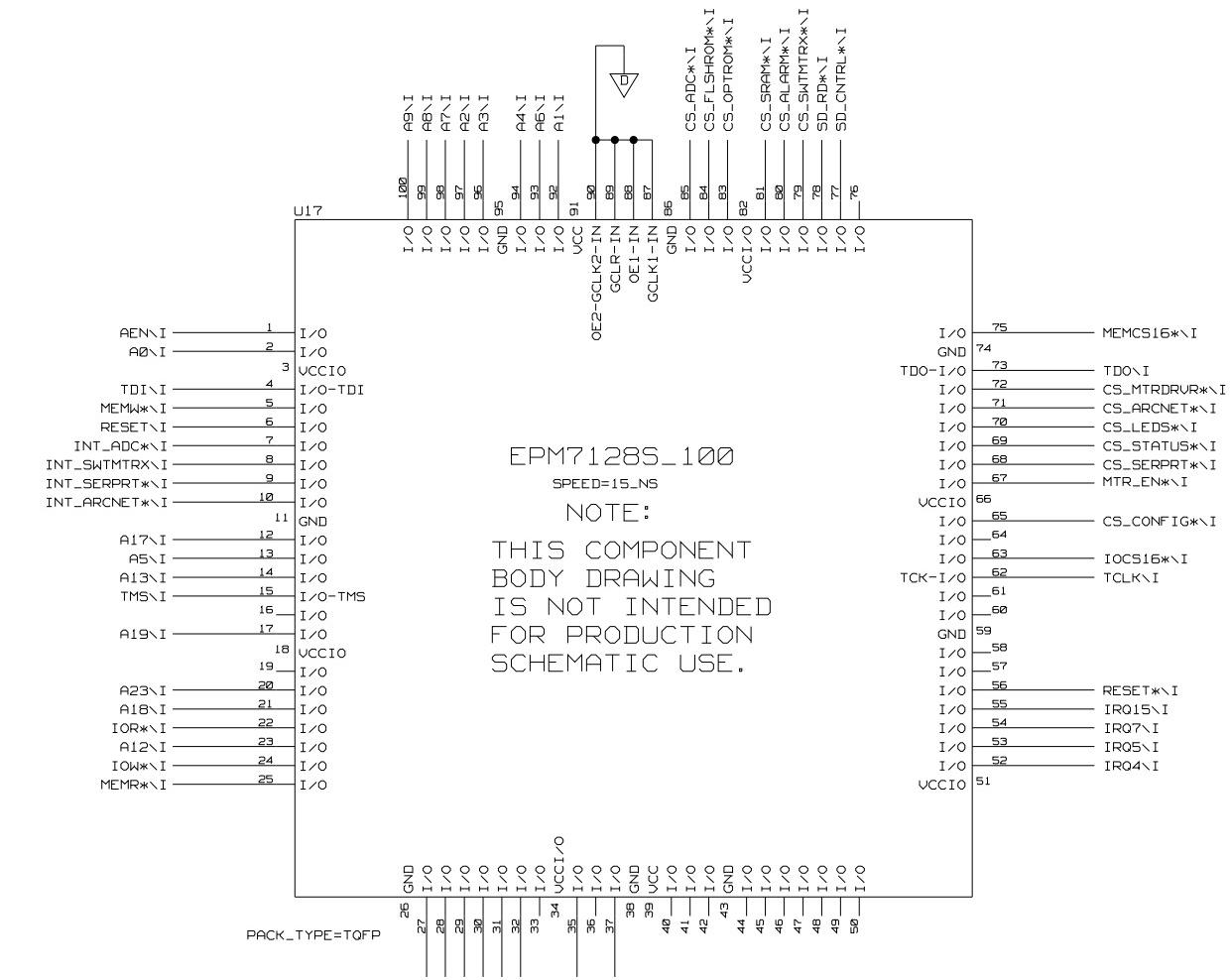


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OEC MEDICAL SYSTEMS, INC.		
SIZE	DWG NO.	REV
D	00-881539	A1

SCALE: SHEET 6 OF 9

DECODE



DRAWING
LAST_MODIFIED:Mon Aug 27 15:01:36 2001

OEC MEDICAL SYSTEMS, INC.		
SIZE	DWG NO.	REV
D	00-881539	A1

SCALE: SHEET 7 OF 9

*** Signal Cross-Reference ***
--- for the entire design --

+5V_ANALOG 1B5 1D2 5B7 5D2 1B2 1D3
+5V_VFD 1C2 1C5
+5V_VFD_SENS 1B5 1A4
+12V_SENS 1B5 1B4
+24V 1C2 1C4 1D2
+24V_SENS 1B4
5MHz 4C3 1B4 5C3
5V_NEG 3C7
12V_NEG 3C7
12V_POS 1C5 3C8 4B2 5D4
20MHz 2C6 4C5
REN 3B8 4C7
ALRM_EN 4A3 5C3
BALE 3D8 3A6 3C4 3D4
BCLK 3D7
BUSY 1D2 2A2
COLL_SCRTY 4C2 1D2
COL_0 * 4B4 4C2
COL_1 * 4B2 4B4
COL_2 * 4B4 4C2
COL_3 * 4B2 4B4
COL_4 * 4B4 4C2
COL_5 * 4B2 4B4
CS_ADC * 4C6 1A8 1B4
CS_ALARM * 4B6 1A8 5C4
CS_ARCNET * 4C6 1A8 2D6
CS_CONFIG * 4C6 1A8 3B3
CS_FLSHROM * 4C6 1A8 2B8
CS_LEDS * 4B6 1A8 4A4 4A5
CS_MTRDRVR * 4B6 1A8 1D5
CS_OPTROM * 4C6 1A8 3D2
CS_SERPRT * 4C6 1A8 2B3
CS_SRAM * 4C6 1A8 2D3
CS_SWTMTRX * 4B6 1A8 4C5
DACK0 * 3D6 3D7
DACK1 * 3D7
DACK2 * 3D7
DACK3 * 3C7
DACK5 * 3D6
DACK6 * 3D6
DACK7 * 3D6
DATA 2A1 1D2
DRQ0 3D6
DRQ1 3D7
DRQ2 3C7
DRQ3 3D7
DRQ5 3D6
DRQ6 3D6
DRQ7 3D6
INT_ADC * 1B3 1B8 4B7
INT_ARCNET * 2D5 1B8 4B7
INT_SERPRT * 2B1 1B8 4B7
INT_SWTMTRX 4B4 1B8 4B7
IOCHK * 3B7
IOCHRDY 3B7
IOCS16 * 4C6 3C6
IOR * 3C7 3B6 4C7
IOW * 3C7 3B6 4C7
IRIS_CLS 1C2 1C4
IRIS_OPN 1C4 1D2
IRIS_POS 1B4 1C2
IRQ2_9 * 3C7
IRQ3 3D7
IRQ4 3D8 4B6
IRQ5 3D8 4B6
IRQ6 3D7
IRQ7 3D8 4B6
IRQ10 3D6
IRQ11 3D6
IRQ12 3D6

IRQ14 3D6
IRQ15 4B6 3D6
ISA_A <19..0> 3B3 2A4 2A8 2C3 2C7 3C2 4B8 5C4
ISA_D <15..0> 1A2 2A4 2A8 2C5 2D2 3A1 3A2 3C1 4B3
1B8 1C5 4A4 4A5 5C4
ISA_IOR * 3B5 1B4 2B3 2D6 5C4
ISA_IOW * 3B5 1B4 2B3 2D6 5C4
ISA_LA 20 4C7
ISA_LA 21 4C7
ISA_LA 22 4C7
ISA_LA 23 4C7
ISA_LA <23..17> 3A5 2A8 4B8
ISA_MEMR * 3B5 2B8 2D3 3D2
ISA_MEMW * 3B5 2B8 2D3
ISA_SMEMR * 3B5
ISA_SMEMW * 3B5
LA <23..17> 3A7 3C7
LAT_CLS 1C2 1C4
LAT_OPN 1C4 1D2
LAT_POS 1A4 1D2
LED_0 4A4 4C2
LED_1 4A4 4C2
LED_2 4A4 4C2
LED_3 4A4 4C2
LED_4 4A4 4C2
LED_5 4A4 4C2
LED_6 4A4 4C2
LED_7 4A4 4B2
LED_8 4A2 4C2
LED_9 4A2 4B2
LNG_CLS 1C2 1C4
LNG_OPN 1C2 1C4
LNG_POS 1A4 1C2
MASTER16 * 3D6
MEMCS16 * 4C6 3C6
MEMR * 3C6 3B6 4C7
MEMW * 3C6 3B6 4C7
MTR_EN * 4B6 1D5
OSC 3D7
RESET 3C8 2C3 4C7
RESET * 4C6 2B8 2D6
ROW_0 * 4B2 4C5
ROW_1 * 4C2 4C5
ROW_2 * 4B2 4C5
ROW_3 * 4C2 4C5
ROW_4 * 4B2 4C5
ROW_5 * 4C2 4C5
SA <19..0> 3B8 3B5
SBHE 3C6
SD <15..0> 3B8 3A5 3C7
SD_CNTRL * 4B6 3A4
SD_RD * 4B6 3B4
SMEMR * 3C7 3B6
SMEMW * 3C7 3B6
SPD_SEL 1C2 1D4
SRDY * 3C7
TC 3D7
TCLK 1D7 4C5 4C7
TDI 1D7 4C7
TDO 4C4 1D7
TDO_0 4C6 4C5
TMS 1D7 4C5 4C7
TUBE_TEMP_L0 1A6 1D2
VCC_SENS 1B6 1B4

*** Unit Cross-Reference ***
--- for the entire design --

D
ASM_LU6 ADDONS 5A8
ASM_U14 ADDONS 5A8
ASM_U17 ADDONS 5A8
C1 TASMT_6032 5D3
C2 CERSMT_1206 1A5
C3 CERSMT_1206 1B3
C4 CERSMT_1206 1A4
C5 TASMT_6032 1B3
C6 CERSMT_1206 1D2
C7 CERSMT_1206 1B4
C9 CERSMT_1206 2C7
C10 CERSMT_1206 5D3
C11 CERSMT_1206 1B5
C12 CERSMT_1206 1A4
C13 CERSMT_1206 1B3
C14 TASMT_7343H 2D3
C15 CERSMT_1206 2C3
C16 TASMT_7343 5B5
C17 TASMT_6032 1B3
C18 TASMT_7343 5A5
C100 CERSMT_1206 5B2
C101 CERSMT_1206 5A2
C102 CERSMT_1206 5B4
C103 CERSMT_1206 5A2
C104 CERSMT_1206 5B3
C105 CERSMT_1206 5A4
C106 CERSMT_1206 5B2
C107 CERSMT_1206 5A3
C108 CERSMT_1206 5B4
C109 CERSMT_1206 5A2
C110 CERSMT_1206 5A4
C111 CERSMT_1206 5A4
C112 CERSMT_1206 1B3
C113 CERSMT_1206 5B4
C114 CERSMT_1206 5A3
C115 CERSMT_1206 5B4
C116 CERSMT_1206 5B2
C117 CERSMT_1206 5A4
C118 CERSMT_1206 5B2
C119 CERSMT_1206 5B4
C121 CERSMT_1206 5A2
C122 CERSMT_1206 5A3
C123 CERSMT_1206 5B3
C124 CERSMT_1206 5B4
C125 CERSMT_1206 5A2
C126 CERSMT_1206 5B4
C130 CERSMT_1206 5A2
C131 CERSMT_1206 5A2
C132 CERSMT_1206 5B2
C133 CERSMT_1206 5A4
C134 CERSMT_1206 5B2
C135 CERSMT_1206 5A3
C136 CERSMT_1206 5B3
C137 CERSMT_1206 5A3
C138 CERSMT_1206 5B4
C139 CERSMT_1206 5B3
C140 CERSMT_1206 5A2
C141 CERSMT_1206 5A4
C142 CERSMT_1206 5B3
C143 CERSMT_1206 5A3
C144 CERSMT_1206 5B3
C145 CERSMT_1206 5A3
C146 CERSMT_1206 5B2
C147 CERSMT_1206 5A3
C148 CERSMT_1206 5B3
C149 CERSMT_1206 5A4
C150 CERSMT_1206 5B3
C151 CERSMT_1206 5A4
C152 CERSMT_1206 5B3
C153 CERSMT_1206 5A4

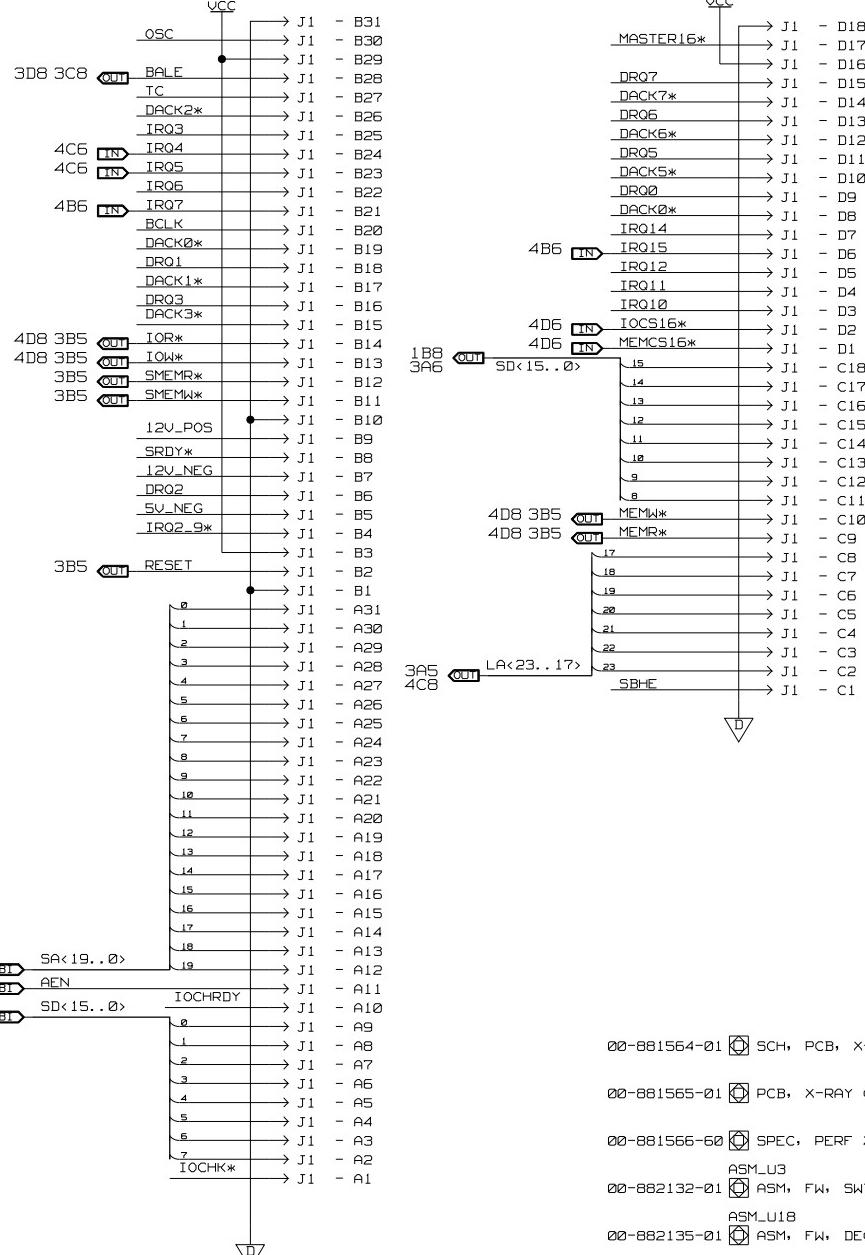
C154 CERSMT_1206 5B2
C155 CERSMT_1206 5A2
C156 CERSMT_1206 5B2
C157 CERSMT_1206 5A2
C158 CERSMT_1206 5B3
C159 CERSMT_1206 5A3
C160 CERSMT_1206 5B4
C161 CERSMT_1206 5A2
C162 CERSMT_1206 5B4
C163 CERSMT_1206 5A4
C164 CERSMT_1206 5B3
C165 CERSMT_1206 5A3
C166 CERSMT_1206 5B4
C167 CERSMT_1206 5A3
C168 CERSMT_1206 5B2
C169 CERSMT_1206 5A3
C170 CERSMT_1206 5B2
C171 CERSMT_1206 5A4
C172 CERSMT_1206 5B2
C173 CERSMT_1206 5A4
C174 CERSMT_1206 5B3
CB1 POLYSWITCH_3812 1C5
DS1 LED4_67480200 4A3
E1 JMPST_1X2_90012601 2D7
E2 JMPST_1X2_90012601 2B2
E3 JMPST_1X2_90012601 2B2
E4 JMPST_2XB_90012602 3B2
FL1 EMI_FLTR_43600000 5D4
J1 CONN_EDGE_ISA16BIT 3B7 3C6 3C7 3C7 3D6 3D7
3D7
J2 DSUBRA_37_51970015 1C2 1D2 1D2
L1 FR_BD_SMT_43200000 1D2
L2 FR_BD_SMT_43200000 2C7
L3 FR_BD_SMT_43200000 2C3
LS1 ALARM_AUDIO 5C2
L52 ALARM_AUDIO 5C2
MISC1 ADDONS 5A8
MISC2 ADDONS 5A8
MISC3 ADDONS 5A8
MISC4 ADDONS 5A8
MISC??? ADDONS 5A8
P3 DSUBRA_9_51109746 2D8
P4 DSUBRA_37_51970025 4B2 4B2 4C2 4C2
P5 HDSHRST_2XB_51408753 1D7
P6 HDBKST_2XB_90012602 1A7 1B7 1C7
R1 RESSMT_1206 1A6
R2 RESSMT_1206 5C7
R3 RESSMT_1206 5C7
R4 RESSMT_1206 5B7
R5 RESSMT_1206 1A4
R6 RESSMT_1206 1B4
R7 RESSMT_1206 1B5
R8 RESSMT_1206 1D5
R9 RESSMT_1206 1C5
R10 RESSMT_1206 1C4
R11 RESSMT_1206 1B4
R12 RESSMT_1206 1B5
R13 RESSMT_1206 1C5
R14 RESSMT_1206 4A3
R15 RESSMT_1206 4A3
R16 RESSMT_1206 4A4
R17 RESSMT_1206 4A4
R18 RESSMT_1206 4A4
R19 RESSMT_1206 4A4
R20 RESSMT_1206 4A4
R21 RESSMT_1206 4A4
R22 RESSMT_1206 4A4
R23 RESSMT_1206 4A4
R24 RESSMT_1206 2D7
R25 RESSMT_1206 2D6
R26 RESSMT_1206 2D6
R27 RESSMT_1206 2D7
R28 RESSMT_1206 2D7

R29 RESSMT_1206 2D7
R31 RESSMT_1206 5B7
R32 RESSMT_1206 5B7
R33 RESSMT_1206 1B5
R34 RESSMT_1206 5B7
R35 RESSMT_1206 1A4
R36 RESSMT_1206 1B5
R37 RESSMT_1206 1C6
R38 RESSMT_1206 4C5
R39 RESSMT_1206 4C5
R40 RESSMT_1206 4C5
R41 RESSMT_1206 4C5
R42 RESSMT_1206 4C5
R43 RESSMT_1206 2C3
R44 RESSMT_1206 2B2
R45 RESSMT_1206 4A5
R46 RESSMT_1206 2B2
R47 RESSMT_1206 2C4
R48 RESSMT_1206 5B6
R49 RESSMT_1206 5C6
R50 RESSMT_1206 2B1
R51 RESSMT_1206 2B1
R52 RESSMT_1206 3B2
R53 RESSMT8DIP4X 3C2
R54 RESSMT_1206 3B2
R55 RESSMT_1206 3B2
R56 RESSMT_1206 3B2
R57 RESSMT_1206 3C2
R58 RESSMT_1206 3B2
R59 RESSMT_1206 3C2
R60 RESSMT8DIP4X 3C2
R61 RESSMT_1206 3C2
R62 RESSMT_1206 2A2
R63 RESSMT_1206 2B2
R65 RESSMT8DIP4X 3B2
R66 RESSMT8DIP4X 3B3
R67 RESSMT8DIP4X 3B3
R68 RESSMT_1206 1D7
R69 RESSMT_1206 1D7
R70 RESSMT_1206 3B6
R71 RESSMT_1206 3A6
R72 RESSMT_1206 4A4
R73 RESSMT8DIP4X 3A2
R74 RESSMT8DIP4X 3A3
R75 RESSMT_1206 3C4
R76 RESSMT_1206 3C4
R77 RESSMT_1206 3D4
R78 RESSMT_1206 3B6
R79 RESSMT_1206 3B6
R80 RESSMT_1206 3B6
R81 RESSMT_1206 3B6
R82 RESSMT_1206 3D4
R83 RESSMT8DIP4X 3B2
R84 RESSMT_1206 5C3
R85 RESSMT_1206 1D7
R86 RESSMT_1206 1D7
R87 RESSMT_1206 3D4
R88 RESSMT_1206 3D4
R89 RESSMT_1206 3D4
R90 RESSMT_1206 5C3
R91 RESSMT_1206 5C3
R92 RESSMT_1206 2C2
R93 RESSMT_1206 3C4
R94 RESSMT_1206 4C5
R95 RESSMT_1206 4C5
R96 RESSMT_1206 4C5
R97 RESSMT_1206 4C5
R98 RESSMT_1206 4C5
R99 RESSMT_1206 4C5
TP1 TEST_POINT_COLOR 4C4
TP3 TEST_POINT_COLOR 4C3
TP4 TEST_POINT_COLOR 2D6
TP5 TEST_POINT_COLOR 5D3

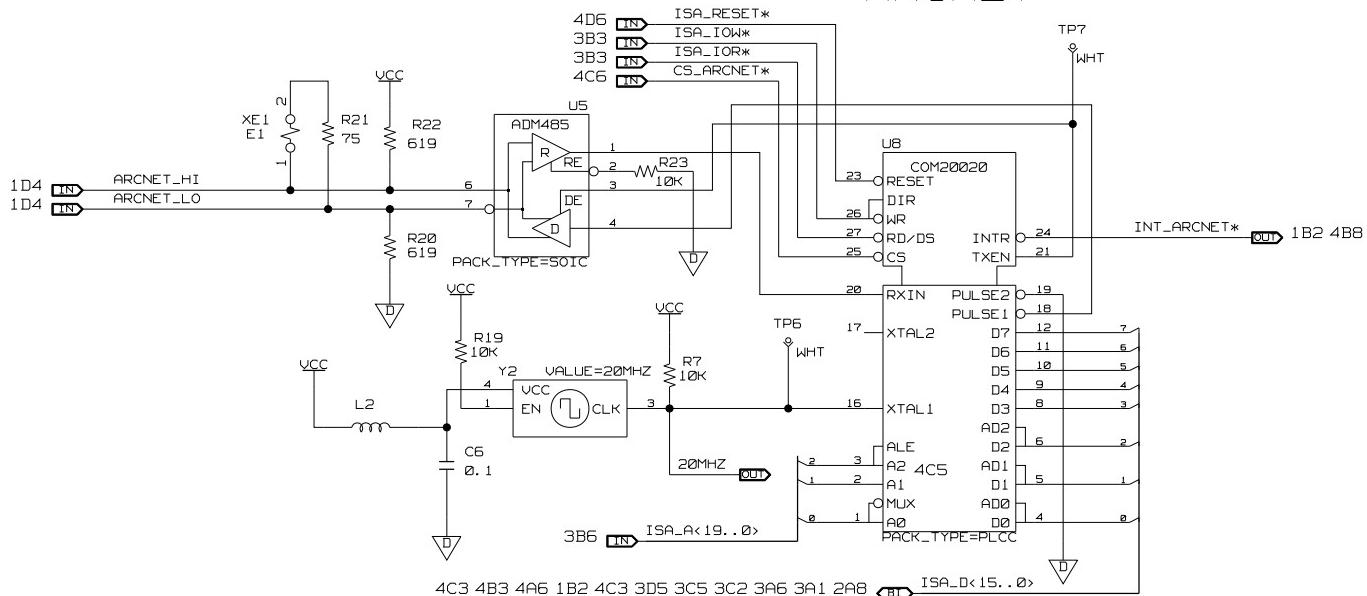
TP6 TEST_POINT_COLOR 5B1
TP7 TEST_POINT_COLOR 5B2
TP8 TEST_POINT_COLOR 2C3
TP9 TEST_POINT_COLOR 5B4
TP10 TEST_POINT_COLOR 5B2
TP11 TEST_POINT_COLOR 5D3
U1 78L05 5D3
U2 LM324 1B5 5B7 5C7
U3 ADM485 2D7
U4 ADC10158 1B3
U5 74ABT574 1D5
U7 74ABT574 4A5
U8 COM20020 2D6
U9 STK12C68 2D3
U10 74ABT244 2B1
U11 SC28C94 2C2
U12 74HC00 5B6 5C3
U13 MIC4427 5C2
U14 27C512_200 3D2
U15 AM29F032 2C6
U16 AM29F032 2C7
U18 74ABT373 3B6
U19 74ABT541 3B1
U20 82C54 5C4
U21 74ABT245 3B4
U22 74ABT373 3B6
U23 74ABT574 4A3
U24 74ABT541 3C1
U25 74ABT373 3C4
U26 74ABT373 3C4
U27 74ABT373 3D4
U28 74ABT245 3A4
Y1 OSC_SMT_EN_VCC 2D7
Y2 OSC_SMT_EN_VCC 2C3

DWG NO. 00-881566				SHT 1	REV A1	1
(M) ENGIN. REV. 2		REVISIONS				EDR 01403
REV	DESCRIPTION			DATE	APPROVED	
A	RELEASED TO MFG PER ECO DJ49			06-28-01	M. SARGENT	
A1	REVISED PER ECO DM86					

AT CONNECTOR PINS A/B



ARCNET



SERIAL COMMUNICATION

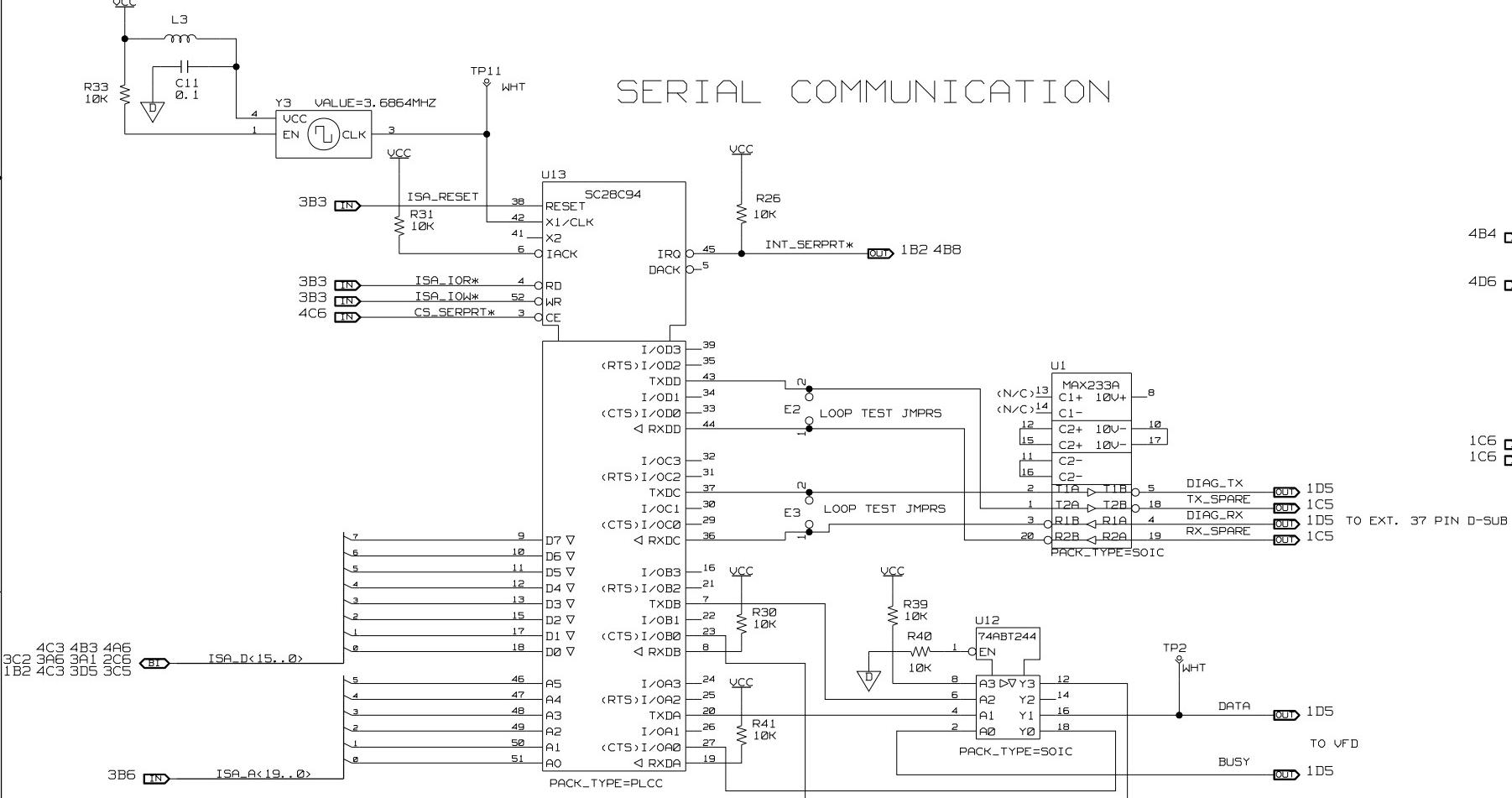
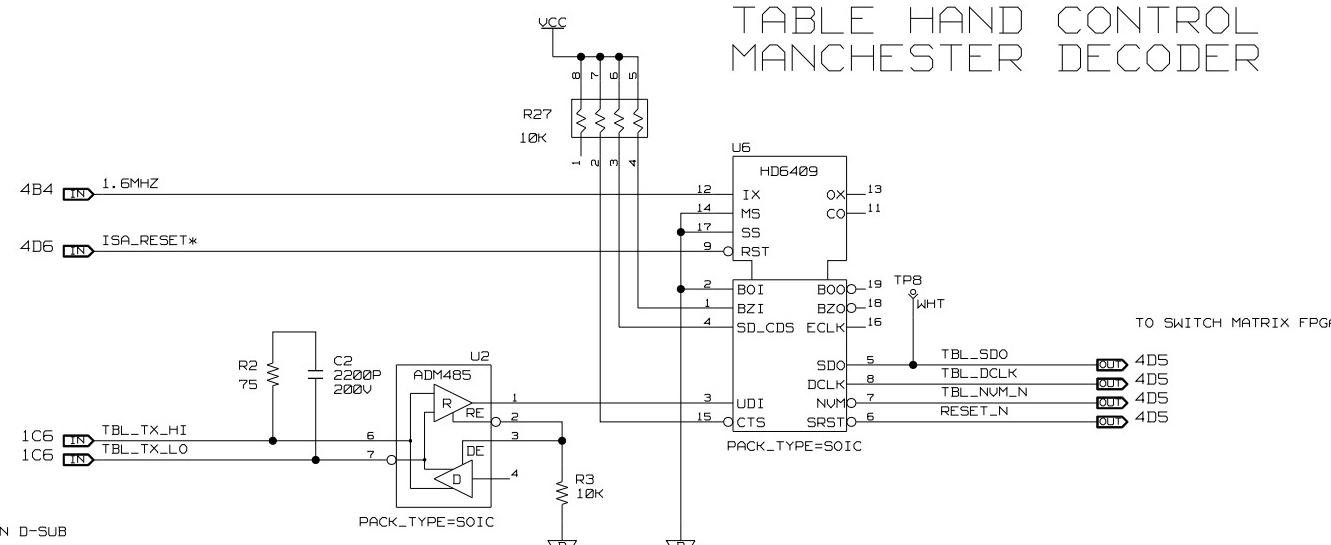
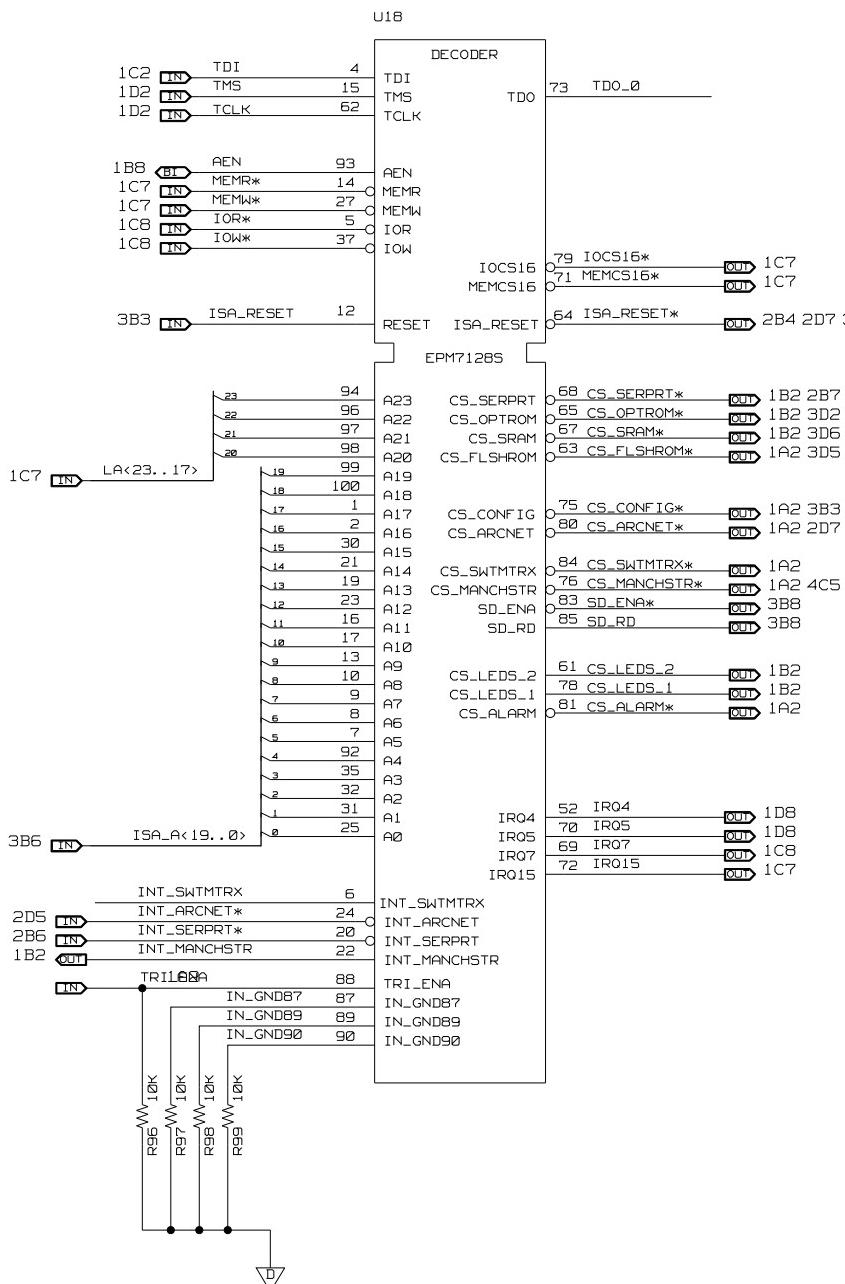


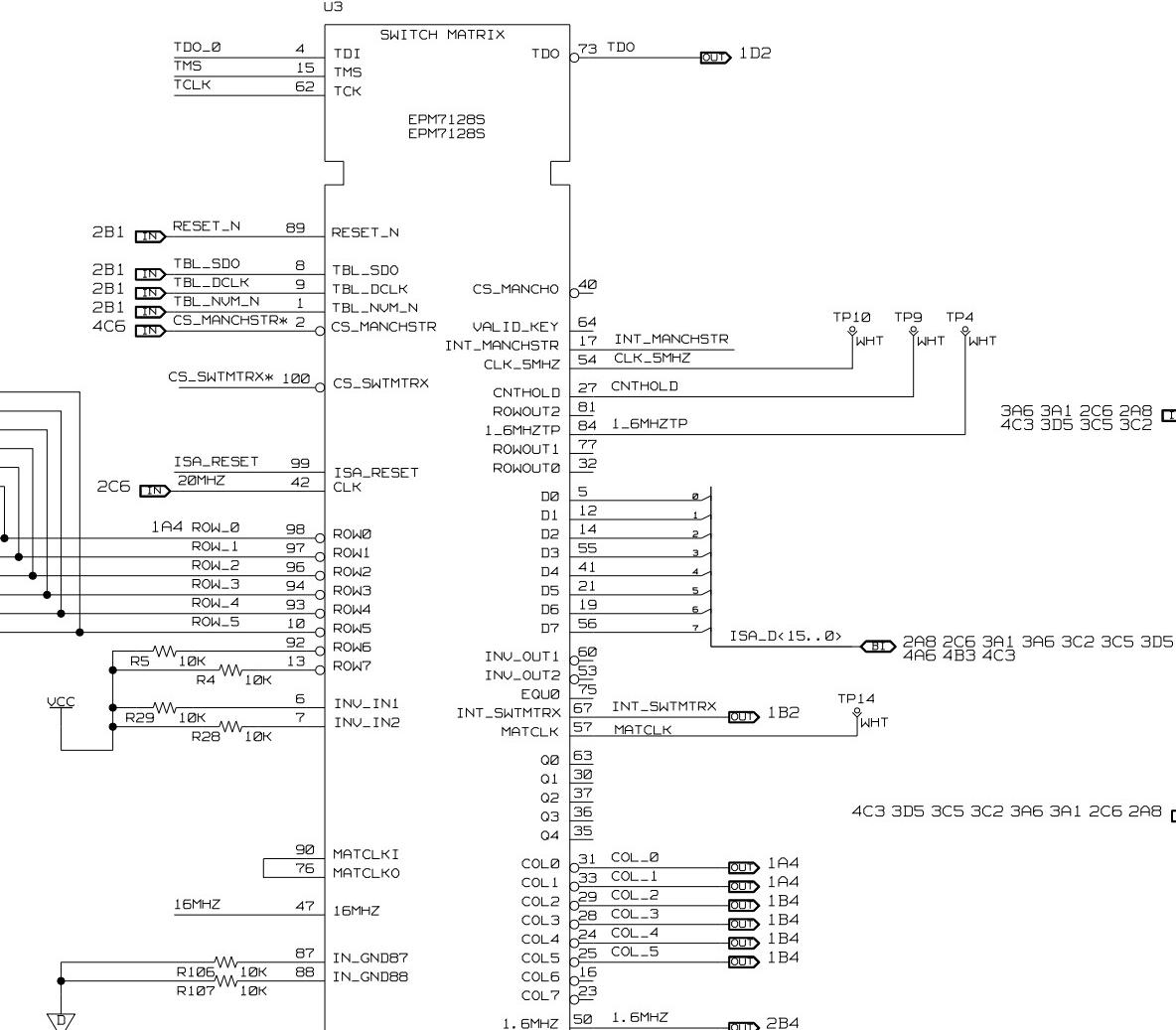
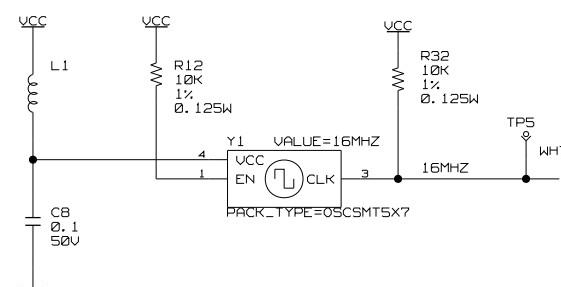
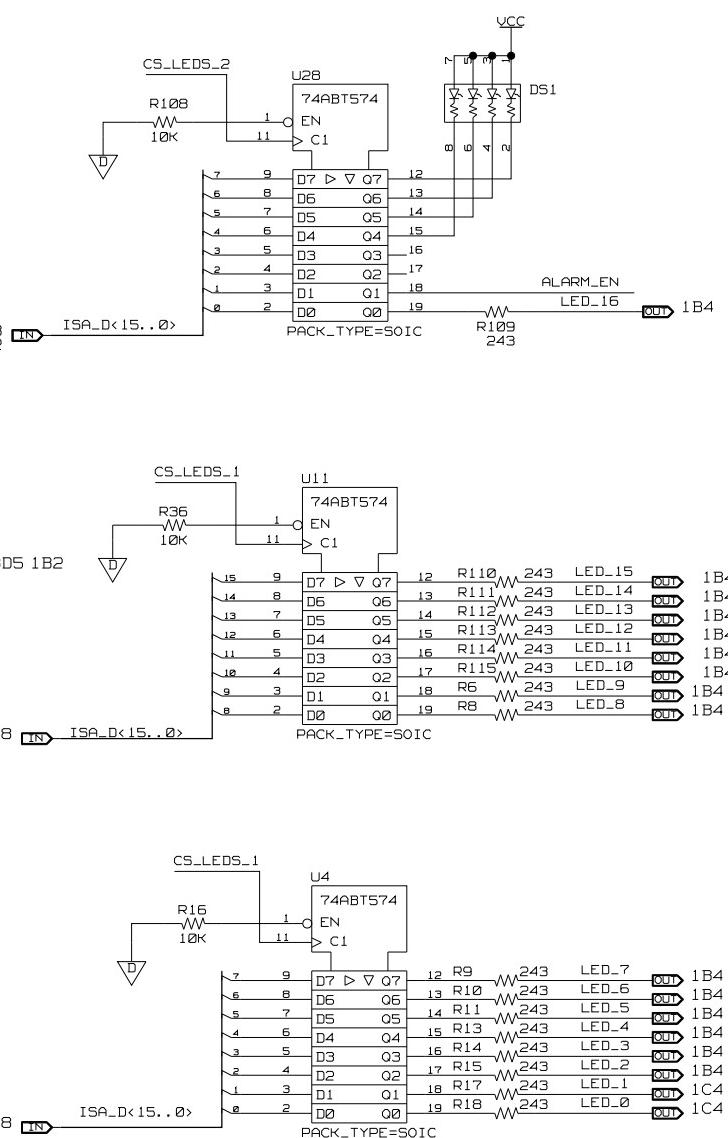
TABLE HAND CONTROL MANCHESTER DECODER



ADDRESS DECODER



SWITCH MATRIX INTERFACE

OUTPUT TO X-RAY ALARM
& LED'S ON SWITCH PANEL

4C3 3D5 3C5 3C2 3A6 3A1 2C6 2A8

ALARM_EN

05-017-9-93

DRAWING
LAST MODIFIED-Thu Aug 30 12:55:46 2001

OEC MEDICAL SYSTEMS, INC.

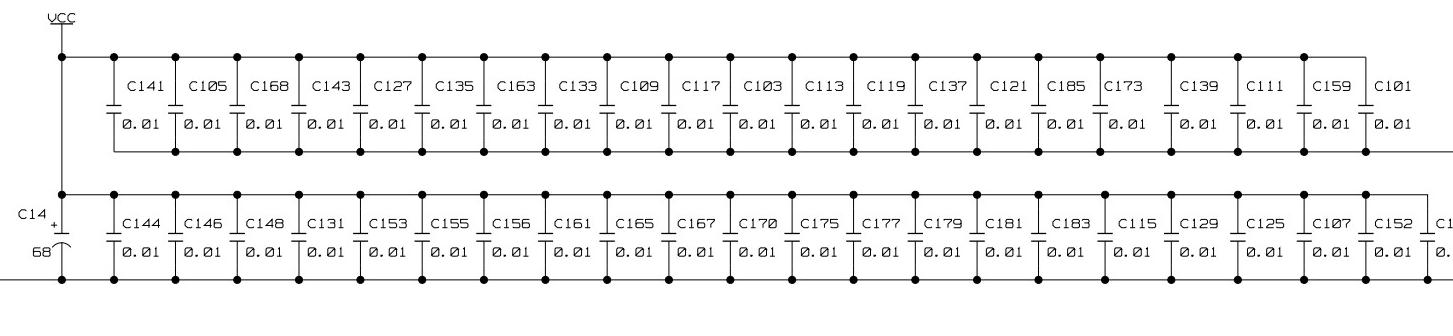
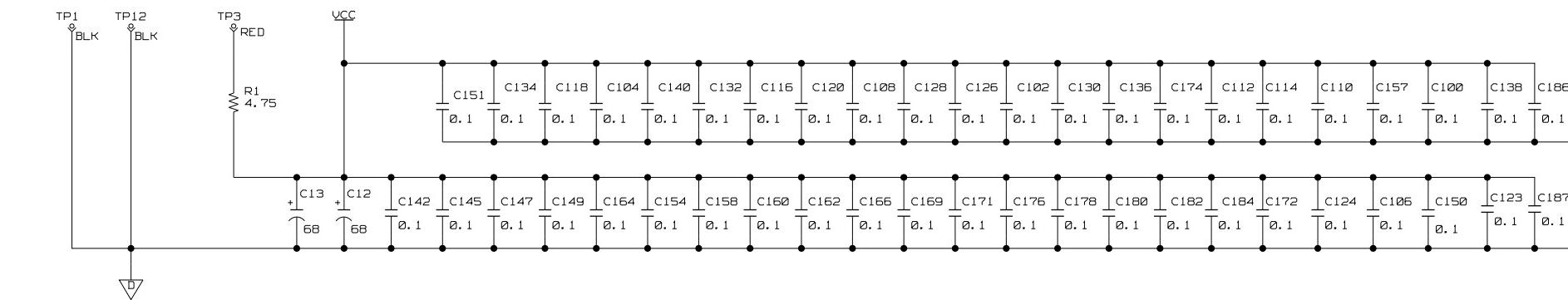
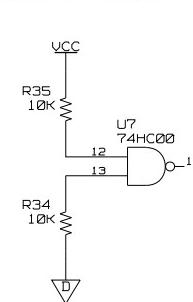
SIZE DWG NO. 00-881564 REV A1

SCALE: NONE SHEET 4 OF 9

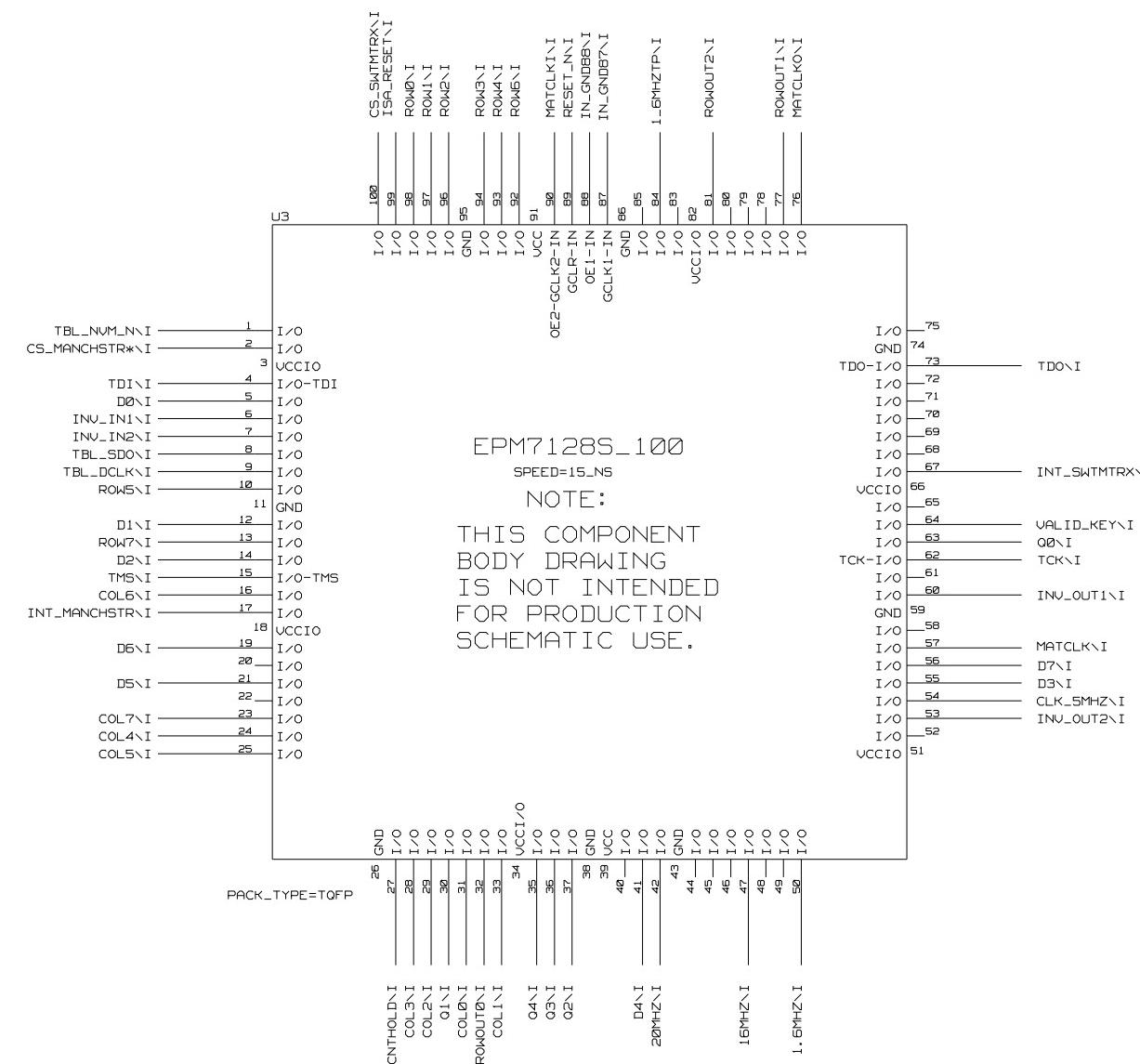
REF DES	DEVICE	GND	+5V	UNUSED
U1	MAX233A	6, 9	7	
U2, U5	ADM485	5	8	
U3, U18	EPM71265	11, 26, 38, 43	3, 18, 34, 39	
U4, U11, U28	74ABT574	10	20	
U6	HD6409	10	20	
U7	74HC00	7	14	
U8	COM20020	15, 28	7, 14, 22	
U9	MIC4427	3	6	
U10	STK12C68	14	28	
U12	74ABT244	10	20	
U13	SC28C94	1, 14, 28, 40	2	
U14, U19	74ABT541	10	20	
U15	27C512	14	28	
U16, U17	AN29F032	29, 30	10, 31	
U20	82C54	14	28	
U21, U27	74ABT245	10	20	
U22 THRU U26	74ABT373	10	20	

REFERENCE DESIGNATIONS	
HIGHEST	UNUSED
C187	
CB4	
CR2	
E4	
L3	
J2	
P6	P1, P2
U28	
Y3	
R115	
TP14	

UNUSED DEVICES



SWITCH MATRIX

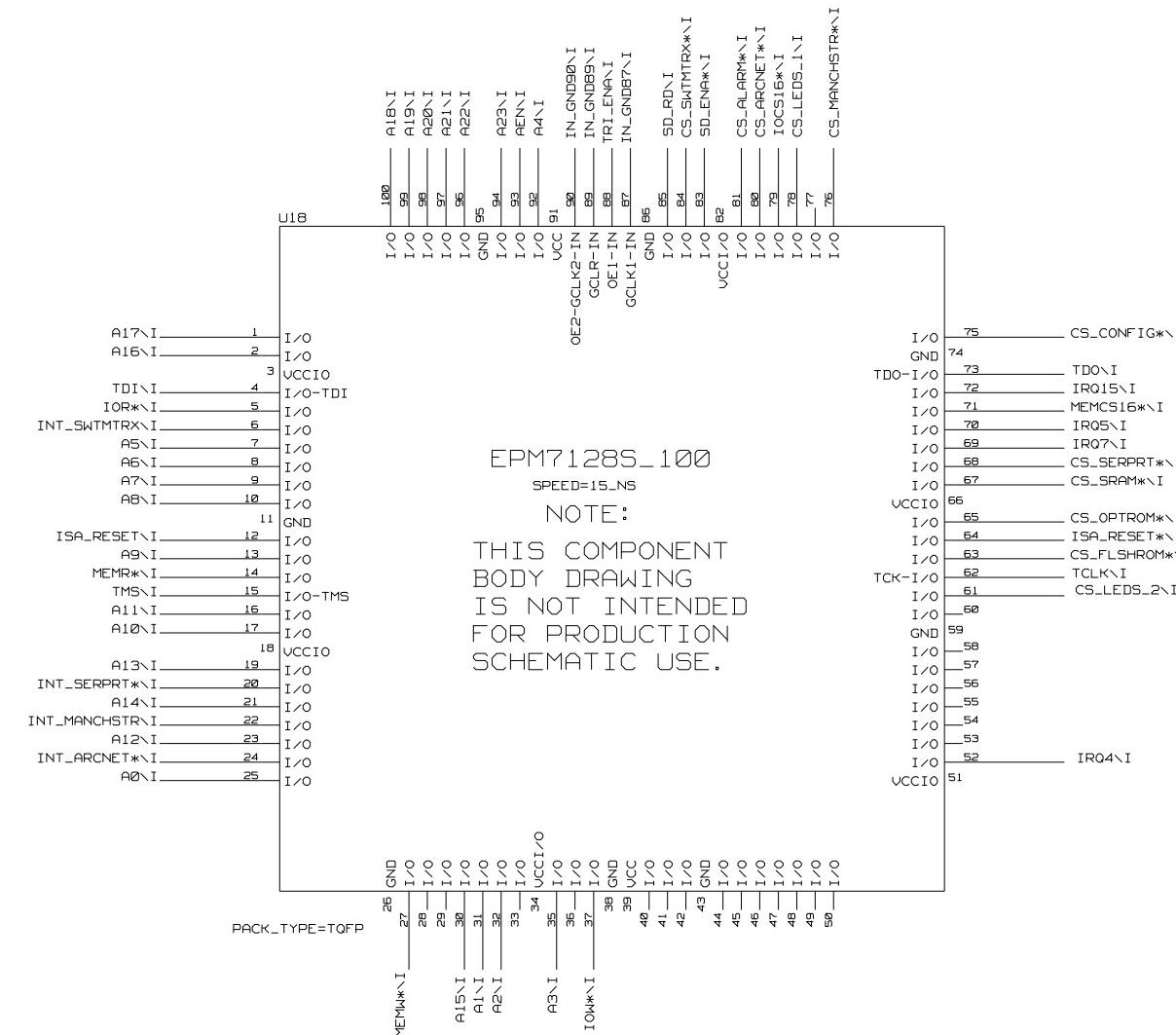


EPM7128S_100
SPEED=15.NS
NOTE:
THIS COMPONENT
BODY DRAWING
IS NOT INTEND
FOR PRODUCTIO
SCHEMATIC USE

DRAWING

OEC MEDICAL SYSTEMS, INC.		
SIZE D	DIAG NO. 00-881564	REV A1
SCALE:		SHEET 6 OF 9

DECODE



DRAWING
LAST_MODIFIED=Thu Aug 30 12:58:08 2001

OEC MEDICAL SYSTEMS, INC.		
SIZE	DWG NO.	REV
D	00-881564	A1

SCALE: SHEET 7 OF 9

*** Signal Cross-Reference ***
--- for the entire design --

1.6MHZ	4B4 2B4
20MHZ	2C6 4C5
AEN	1B8 4D8
ARCNET_HI	1D4 2D8
ARCNET_LO	1D4 2D8
BALE	1D8 3C8 3D8
BUSY	1D5 2A5
COL_0	4B4 1A4
COL_1	4B4 1A4
COL_2	4B4 1B4
COL_3	4B4 1B4
COL_4	4B4 1B4
COL_5	4B4 1B4
CS_ALARM *	4C6 1A2
CS_ARCNET *	4C6 1A2 2D7
CS_CONFIG *	4C6 1A2 3B3
CS_FLSHROM *	4C6 1A2 3D5
CS_LEDS_1	4C6 1B2
CS_LEDS_2	4C6 1B2
CS_MANCHSTR *	4C6 1A2 4C5
CS_OPTROM *	4C6 1B2 3D2
CS_SERPRT *	4C6 1B2 2B7
CS_SRAM *	4C6 1B2 3D6
CS_SWMTMTRX *	4C6 1A2
DATA	2A5 1D5
DIAG_RX	2B5 1D5
DIAG_TX	2B5 1D5
INT_ARCNET *	2D5 1B2 4B8
INT_MANCHSTR	1B2 4B8
INT_SERPRT *	2B6 1B2 4B8
INT_SWMTMTRX	4C4 1B2
IOCS16 *	4D6 1C7
IOR *	1C8 3B5 4D8
IOW *	1C8 3B5 4D8
IRQ4	4C6 1D8
IRQ5	4C6 1D8
IRQ7	4B6 1C8
IRQ15	4B6 1C7
ISA_A <19..0>	3B6 2A8 2C7 3C2 3C5 3C6 4C8
ISA_D <15..0>	2A8 2C6 3A1 3A5 3C2 3C5 3D5 4C3 1B2
	4A6 4B3 4C3
ISA_IOR *	3B3 1B2 2B7 2D7 4A5
ISA_IOW *	3B3 1B2 2B7 2D7 4A5
ISA_LLA <23..17>	3A3 3C5
ISA_MEMR *	3B3 1B2 3D2 3D5 3D6
ISA_MEMW *	3B3 1B2 3D5 3D6
ISA_RESET	3B3 2B7 4D8
ISA_RESET *	4D6 2B4 2D7 3D5
LA <23..17>	1C7 3A5 4C8
LED_0	4B1 1C4
LED_1	4B1 1C4
LED_2	4B1 1B4
LED_3	4B1 1B4
LED_4	4B1 1B4
LED_5	4B1 1B4
LED_6	4B1 1B4
LED_7	4B1 1B4
LED_8	4C1 1B4
LED_9	4C1 1B4
LED_10	4C1 1B4
LED_11	4C1 1B4
LED_12	4C1 1B4
LED_13	4C1 1B4
LED_14	4C1 1B4
LED_15	4C1 1B4
LED_16	4C1 1B4
MEMCS16 *	4D6 1C7
MEMR *	1C7 3B5 4D8
MEMW *	1C7 3B5 4D8
RESET	1C8 3B5

RESET_N	2B1 4D5
ROW_0	4C5 1A4
ROW_1	4C6 1A4
ROW_2	4C6 1A4
ROW_3	4C6 1A4
ROW_4	4C6 1A4
ROW_5	4C6 1A4
RX_SPARE	2B5 1C5
SA <19..0>	1B8 3B8
SD <15..0>	1B8 1C7 3A6
SD_ENA *	4C6 3B8
SD_RD	4C6 3B8
SMEMR *	1C8 3B5
SMEMW *	1C8 3B5
TBL_DCLK	2B1 4D5
TBL_NUMLN	2B1 4D5
TBL_SDO	2B1 4D5
TBL_TX_HI	1C6 2B4
TBL_TX_LO	1C6 2B4
TCLK	1D2 4D8
TDI	1C2 4D8
TDO	4D4 1D2
TMS	1D2 4D8
TRI_ENA	1A2 4B8
TX_SPARE	2B5 1C5

*** Unit Cross-Reference ***
--- for the entire design --

D
ASM_LU3 ADDONS 1B6
ASM_U15 ADDONS 1A6
ASM_U18 ADDONS 1A6
C1 TASMT_7343 1D5
C2 CERR_2200P_41229943 2B3
C3 CERSMT_1206 1C5
C4 CERSMT_1206 1C5
C5 TASMT_7343 1C5
C6 CERSMT_1206 2C7
C7 TASMT_7343H 3D6
C8 CERSMT_1206 4A8
C9 CERSMT_1206 4A2
C10 TASMT_6032 4A3
C11 CERSMT_1206 2C8
C12 TASMT_7343 5B5
C13 TASMT_7343 5B6
C14 TASMT_7343 5A6
C100 CERSMT_1206 5B2
C101 CERSMT_1206 5B2
C102 CERSMT_1206 5B3
C103 CERSMT_1206 5B4
C104 CERSMT_1206 5B5
C105 CERSMT_1206 5B5
C106 CERSMT_1206 5B2
C107 CERSMT_1206 5A2
C108 CERSMT_1206 5B4
C109 CERSMT_1206 5B4
C110 CERSMT_1206 5B3
C111 CERSMT_1206 5B2
C112 CERSMT_1206 5B3
C113 CERSMT_1206 5B4
C114 CERSMT_1206 5B3
C115 CERSMT_1206 5A3
C116 CERSMT_1206 5B4
C117 CERSMT_1206 5B4
C118 CERSMT_1206 5B5
C119 CERSMT_1206 5B3
C120 CERSMT_1206 5B4
C121 CERSMT_1206 5B3
C122 CERSMT_1206 5A2
C123 CERSMT_1206 5B2
C124 CERSMT_1206 5B2
C125 CERSMT_1206 5A2
C126 CERSMT_1206 5B4
C127 CERSMT_1206 5B5
C128 CERSMT_1206 5B4
C129 CERSMT_1206 5A3
C130 CERSMT_1206 5B3
C131 CERSMT_1206 5A5
C132 CERSMT_1206 5B4
C133 CERSMT_1206 5B4
C134 CERSMT_1206 5B5
C135 CERSMT_1206 5B5
C136 CERSMT_1206 5B3
C137 CERSMT_1206 5B3
C138 CERSMT_1206 5B2
C139 CERSMT_1206 5B3
C140 CERSMT_1206 5B5
C141 CERSMT_1206 5B5
C142 CERSMT_1206 5B5
C143 CERSMT_1206 5B5
C144 CERSMT_1206 5A5
C145 CERSMT_1206 5B5
C146 CERSMT_1206 5A5
C147 CERSMT_1206 5B5
C148 CERSMT_1206 5A5
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C150 CERSMT_1206 5B2
C151 CERSMT_1206 5B5
C152 CERSMT_1206 5A2

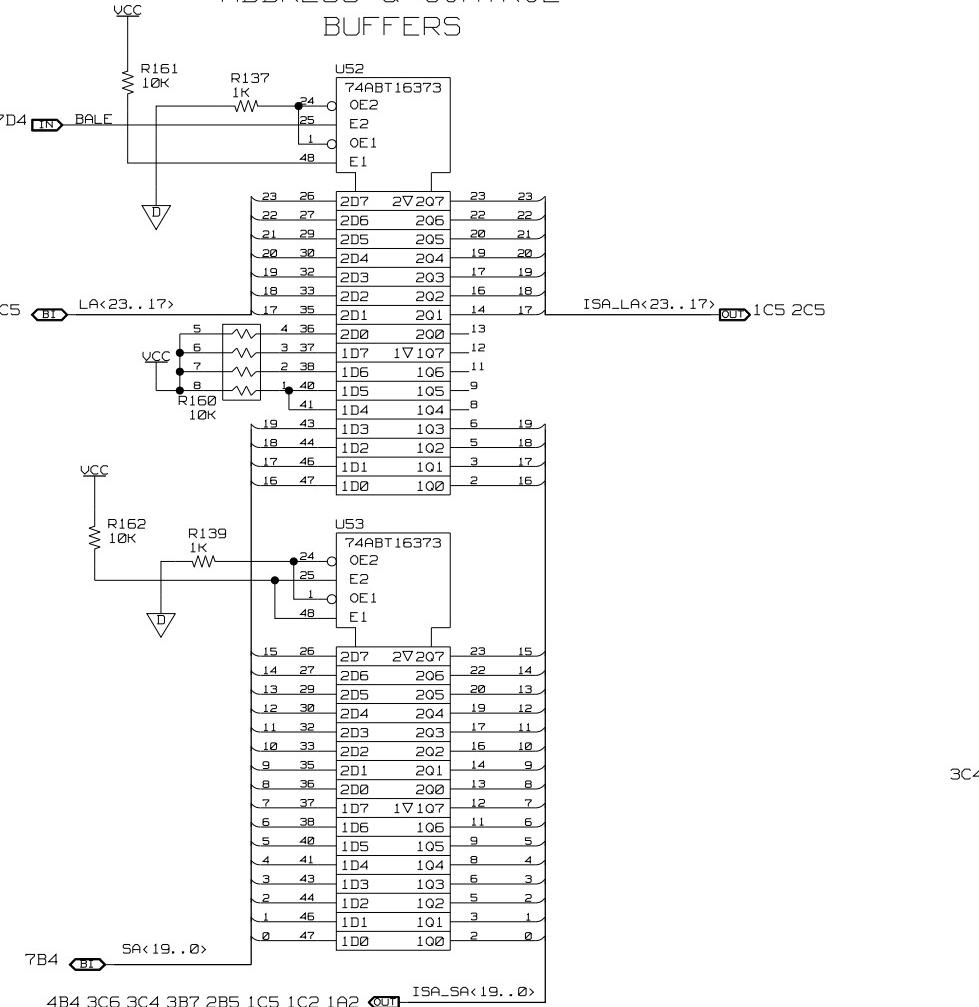
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C154 CERSMT_1206 5B5
C155 CERSMT_1206 5A5
C156 CERSMT_1206 5A4
C157 CERSMT_1206 5B2
C158 CERSMT_1206 5B4
C159 CERSMT_1206 5B2
C160 CERSMT_1206 5B4
C161 CERSMT_1206 5A4
C162 CERSMT_1206 5B4
C163 CERSMT_1206 5B4
C164 CERSMT_1206 5B5
C165 CERSMT_1206 5A4
C166 CERSMT_1206 5B4
C167 CERSMT_1206 5A4
C168 CERSMT_1206 5B5
C169 CERSMT_1206 5B4
C170 CERSMT_1206 5A4
C171 CERSMT_1206 5B4
C172 CERSMT_1206 5B3
C173 CERSMT_1206 5B3
C174 CERSMT_1206 5B3
C175 CERSMT_1206 5A4
C176 CERSMT_1206 5B3
C177 CERSMT_1206 5A3
C178 CERSMT_1206 5B3
C179 CERSMT_1206 5A3
C180 CERSMT_1206 5B3
C181 CERSMT_1206 5A3
C182 CERSMT_1206 5B3
C183 CERSMT_1206 5A3
C184 CERSMT_1206 5B3
C185 CERSMT_1206 5B3
C186 CERSMT_1206 5B2
C187 CERSMT_1206 5B2
CB1 POLYSWITCH_3812 1D6
CB2 POLYSWITCH_3812 1C5
CB3 POLYSWITCH_3812 1B4
CB4 POLYSWITCH_3812 1C3
CR1 SRGAR_55402220 1C6
CR2 SRGAR_12V_5540217 1C6
DS1 LED4_67480200 4D1
E1 JMPST_1X2_90012601 2D8
E2 JMPST_1X2_90012601 2B6
E3 JMPST_1X2_90012601 2B6
E4 JMPST_2X8_90012602 3B2
J1 CONN_EDGE_ISA16BIT 1B7 1C6 1C6 1C7 1C7
 1D6 1D6 1D7
J2 DSUBRA_37_51970016 1B5 1B5 1C5 1C5 1D5
L1 FR_BD_SMT_43200000 4A8
L2 FR_BD_SMT_43200000 2D7
L3 FR_BD_SMT_43200000 2C8
LS1 ALARM_AUDIO 4A2
LS2 ALARM_AUDIO 4A2
MISC1 ADDONS 1B6
MISC2 ADDONS 1B6
MISC3 ADDONS 1B6
MISC4 ADDONS 1A6
MISC??? ADDONS 1A6
P3 DSUBRA_9_51109746 1D3
P4 DSUBRA_37_51970025 1A3 1A3 1B3 1B3 1B3 1C3
P5 HDHRST_2X5_51408753 1C1 1C1 1D1 1D1
P6 HDBKST_2X20_90012602 1A1 1B1 1C1
R1 RESSMT_1206 5B6
R2 RESSMT_1206 2B3
R3 RESSMT_1206 2B3
R4 RESSMT_1206 4C5
R5 RESSMT_1206 4C5
R6 RESSMT_1206 4C1
R7 RESSMT_1206 2D6
R8 RESSMT_1206 4C1
R9 RESSMT_1206 4B1
R10 RESSMT_1206 4B1

R11 RESSMT_1206 4B1
R12 RESSMT_1206 4B8
R13 RESSMT_1206 4B1
R14 RESSMT_1206 4B1
R15 RESSMT_1206 4B1
R16 RESSMT_1206 4B2
R17 RESSMT_1206 4B1
R18 RESSMT_1206 4B1
R19 RESSMT_1206 2D7
R20 RESSMT_1206 2D7
R21 RESSMT_1206 2D7
R22 RESSMT_1206 2D7
R23 RESSMT_1206 2D6
R24 RESSMT8DIP4X 3B7
R25 RESSMT8DIP4X 3B6
R26 RESSMT_1206 2B6
R27 RESSMT8DIP4X 2C3
R28 RESSMT_1206 4C5
R29 RESSMT_1206 4C5
R30 RESSMT_1206 2A6
R31 RESSMT_1206 2B7
R32 RESSMT_1206 4A7
R33 RESSMT_1206 2C8
R34 RESSMT_1206 5B8
R35 RESSMT_1206 5B8
R36 RESSMT_1206 4C2
R37 RESSMT8DIP4X 3A6
R38 RESSMT8DIP4X 3A7
R39 RESSMT_1206 2A6
R40 RESSMT_1206 2A6
R41 RESSMT_1206 2A6
R42 RESSMT_1206 3B3
R43 RESSMT_1206 3B3
R44 RESSMT_1206 3B3
R45 RESSMT_1206 3B3
R46 RESSMT_1206 3B3
R47 RESSMT8DIP4X 3C2
R48 RESSMT8DIP4X 3C2
R49 RESSMT_1206 3C3
R50 RESSMT_1206 3B3
R51 RESSMT_1206 1D2
R52 RESSMT_1206 1D2
R53 RESSMT_1206 3A4
R54 RESSMT_1206 3C7
R55 RESSMT_1206 3D7
R56 RESSMT_1206 3D8
R57 RESSMT_1206 3D8
R58 RESSMT_1206 3B4
R59 RESSMT_1206 3D8
R60 RESSMT_1206 3B3
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R64 RESSMT8DIP4X 3B2
R65 RESSMT_1206 4A4
R66 RESSMT_1206 1D2
R67 RESSMT_1206 1D2
R68 RESSMT_1206 3A4
R69 RESSMT_1206 3D8
R70 RESSMT_1206 3D8
R71 RESSMT_1206 4A4
R72 RESSMT_1206 4A4
R94 RESSMT_1206 3C8
R95 RESSMT_1206 3B8
R96 RESSMT_1206 4B8
R97 RESSMT_1206 4B8
R98 RESSMT_1206 4B8
R99 RESSMT_1206 4B8
R100 RESSMT_1206 4C6
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R102 RESSMT_1206 4C6
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R104 RESSMT_1206 4C6

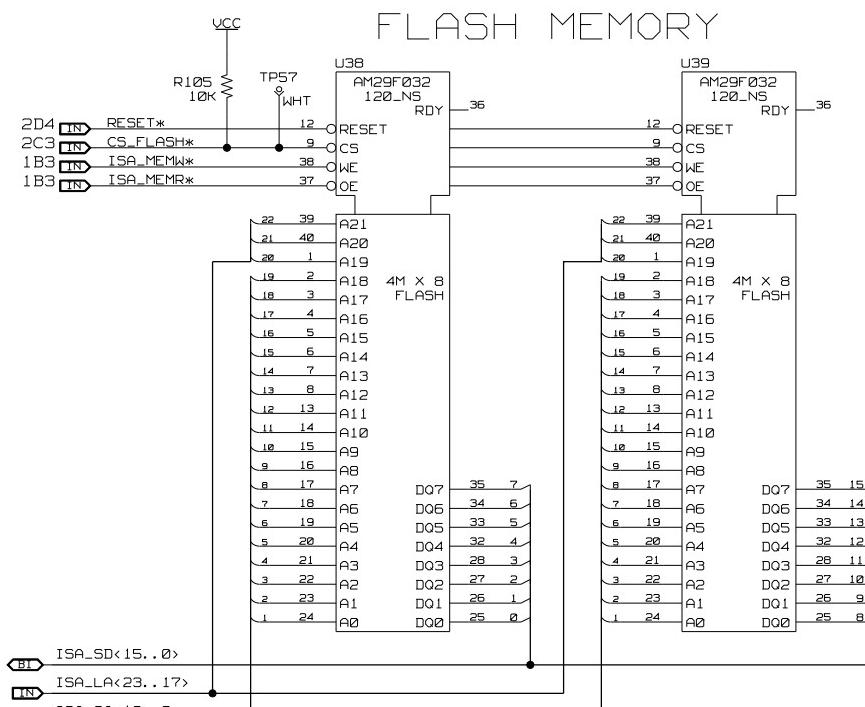
R105 RESSMT_1206 4C6
R106 RESSMT_1206 4B5
R107 RESSMT_1206 4B5
R108 RESSMT_1206 4D2
R109 RESSMT_1206 4C1
R110 RESSMT_1206 4C1
R111 RESSMT_1206 4C1
R112 RESSMT_1206 4C1
R113 RESSMT_1206 4C1
R114 RESSMT_1206 4C1
R115 RESSMT_1206 4C1
TP1 TEST_POINT_COLOR 5B6
TP2 TEST_POINT_COLOR 2A5
TP3 TEST_POINT_COLOR 5B6
TP4 TEST_POINT_COLOR 4D3
TP5 TEST_POINT_COLOR 4A7
TP6 TEST_POINT_COLOR 2D6
TP7 TEST_POINT_COLOR 2D5
TP8 TEST_POINT_COLOR 2B2
TP9 TEST_POINT_COLOR 4D3
TP10 TEST_POINT_COLOR 4D3
TP11 TEST_POINT_COLOR 2C7
TP12 TEST_POINT_COLOR 5B6
TP13 TEST_POINT_COLOR 1C5
TP14 TEST_POINT_COLOR 4C3
U1 MAX233A 2B5
U2 ADM485 2B3
U4 74ABT574 4B2
U5 ADM485 2D7
U6 HD6409 2B2
U7 74HC00 4A3 4A4 5B7
U8 COM2020 2D6
U9 MIC4427 4A3
U10 STK12C68 3D6
U11 74ABT574 4C2
U12 74ABT244 2A5
U13 SC28C94 2C7
U14 74ABT541 3C1
U15 27C512_200 3D2
U16 AM29F032 3D3
U17 AM29F032 3D4
U19 74ABT541 3B1
U20 82C54 4A5
U21 74ABT245 3B7
U22 74ABT373 3A4
U23 74ABT373 3C7
U24 74ABT373 3C7
U25 74ABT373 3D7
U26 74ABT373 3B4
U27 74ABT245 3A7
U28 74ABT574 4D2
XE1 SHORT_PC_X1 2D8
Y1 OSC_SMT_EN_VCC 4A8
Y2 OSC_SMT_EN_VCC 2D7
Y3 OSC_SMT_EN_VCC 2C8

DWG NO.		00-881567	SHT	1	REV	B	1
(M) ENGIN. REV. 4.3		REVISIONS				EDR 01403	
REV		DESCRIPTION		DATE		APPROVED	
A	RELEASED TO MANUFACTURING PER ECO D50		9-25-01	M. SARGENT			
A1	REVISED PER ECO DR18		10-18-01	M. SARGENT			
A2	REVISED PER ECO DR92		10-23-01	M. SARGENT			
A3	REVISED PER ECO DV55		12-03-01	M. SARGENT			
B	REVISED PER ECO EA87						

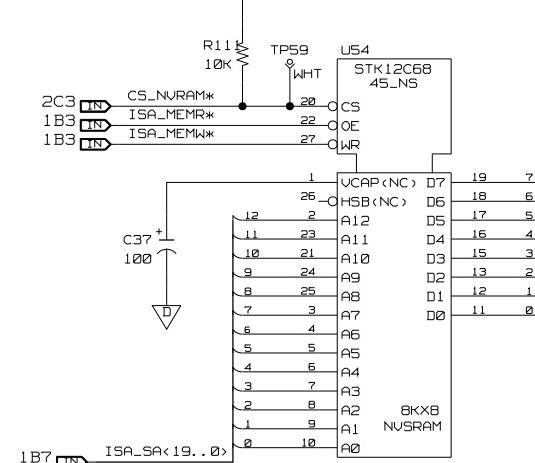
ADDRESS & CONTROL BUFFERS



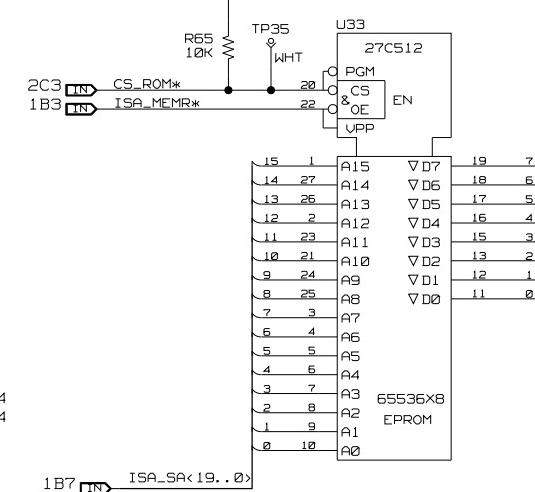
FLASH MEMORY



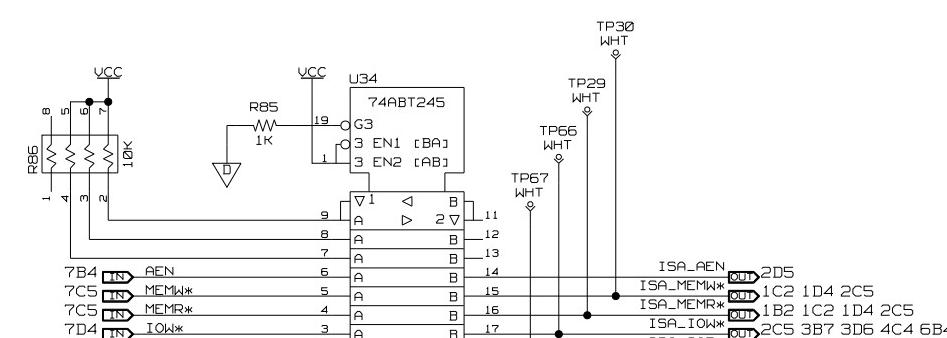
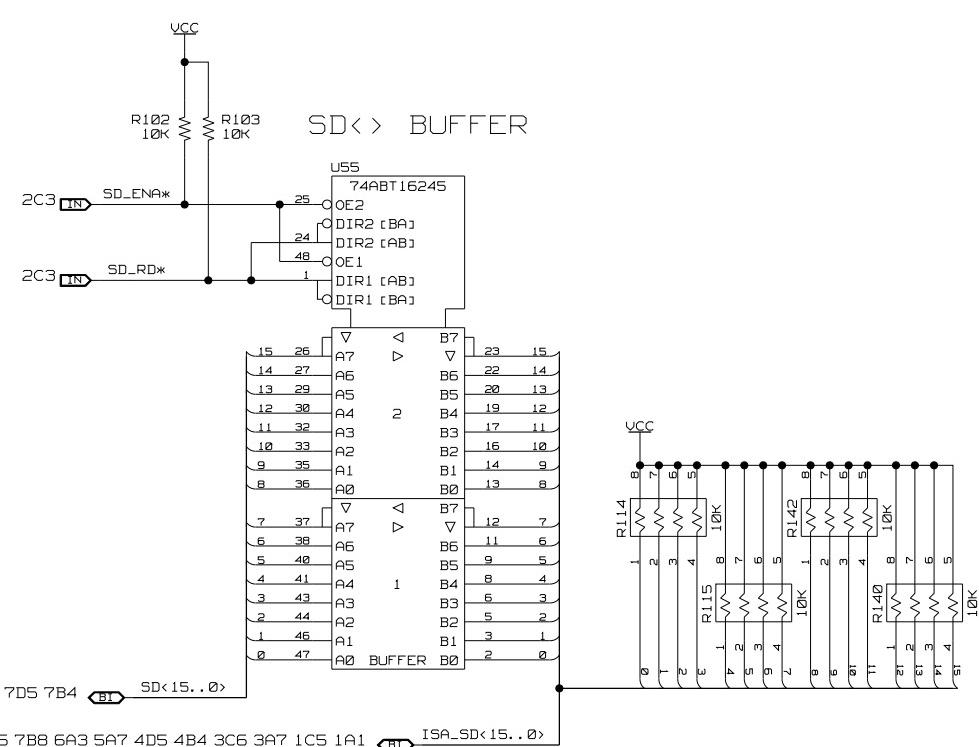
NON-VOLATILE SRAM



OPTION ROM



SD<-> BUFFER



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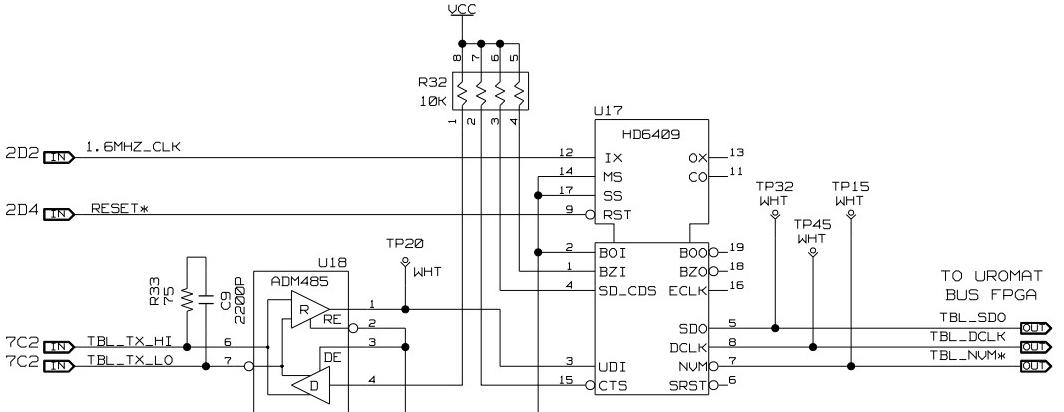
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ITEM	QTY.	PART OR IDENT NO.	DESCRIPTION
PARTS LIST			
		CONTRACT NO.	APPROVED DATE
881569	2800	R&D	DRAWN N. NEWBOLD 8-30-99
		FRACTIONS: +/- DECIMALS: .XX+.XXXX/. ANGLES: +/-	CHECKED K. JOHNSON 9-01-99
			ENGINEERING N. NEWBOLD 9-01-99
		APPLICATION	DO NOT SCALE DRAWING APPROVED
			SCALE: NONE SHEET 1 OF 11

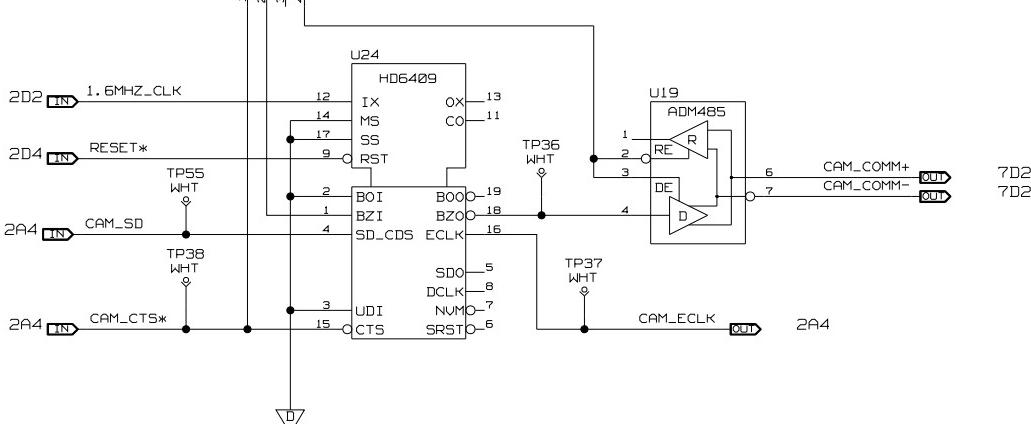
-02 SHOWN
-01 INACTIVE

OEC MEDICAL SYSTEMS, INC.
DWG TITLE TABLE/GEN INTERFACE PCB
SIZE DWG NO. D 00-881567 REV B
SCALE: NONE SHEET 1 OF 11

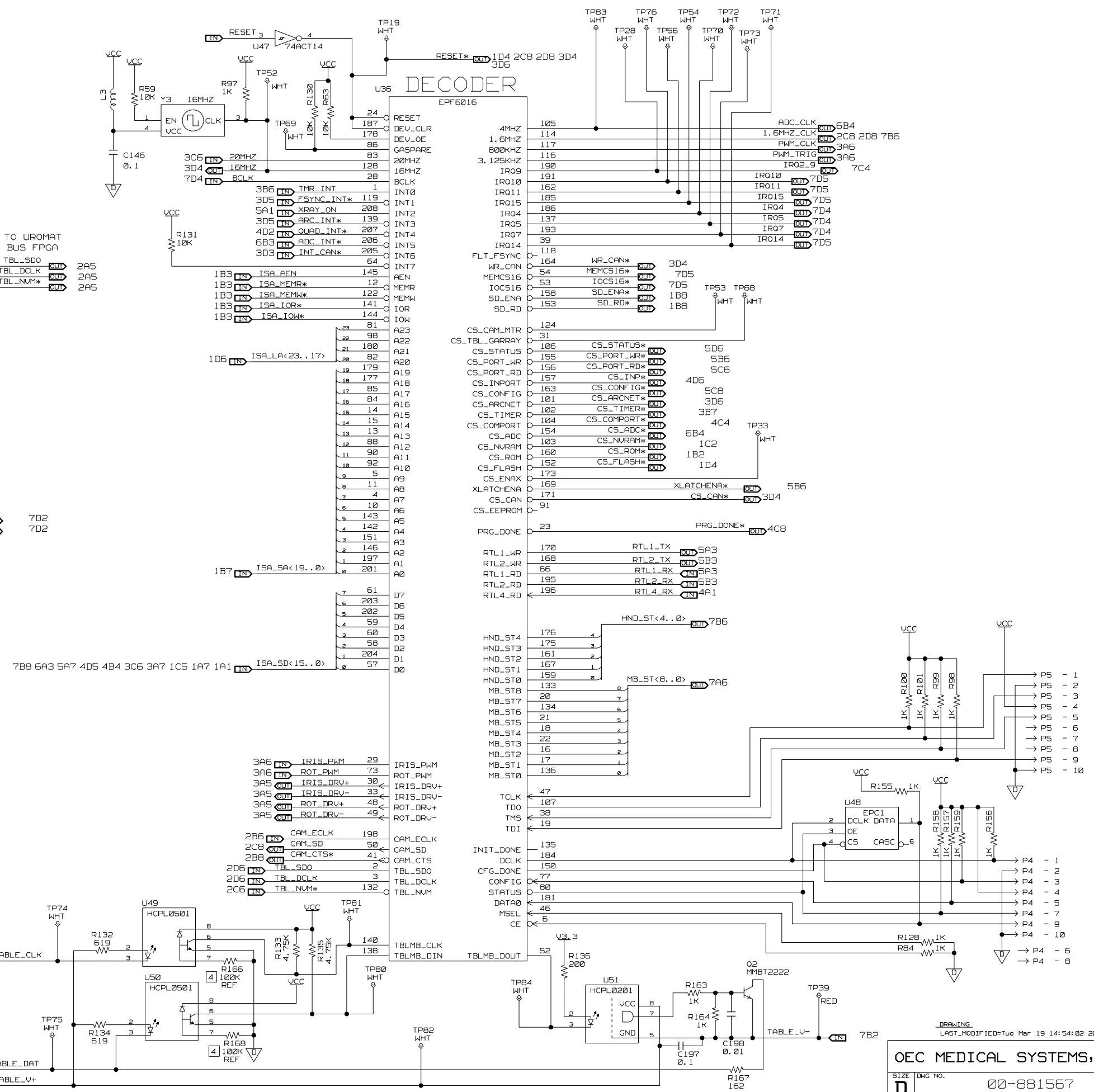
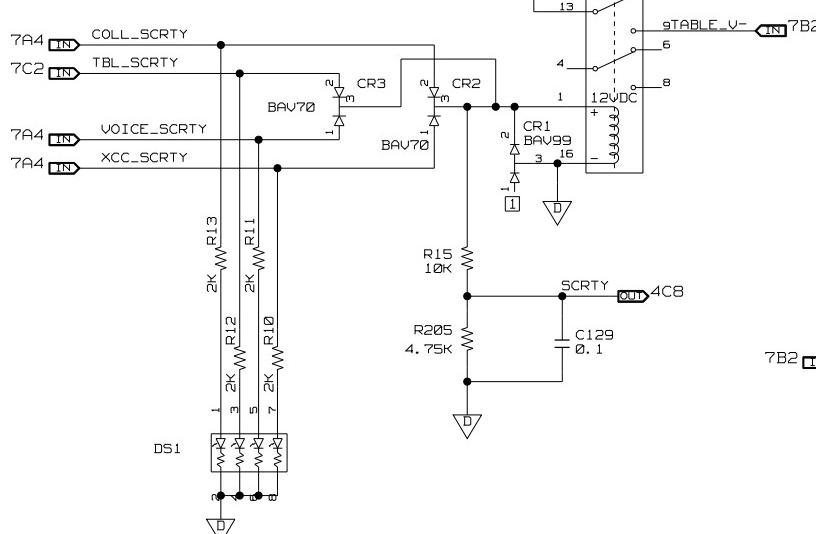
TABLE HAND CONTROL MANCHESTER DECODER



CAMERA MANCHESTER ENCODER



SECURITY LINES



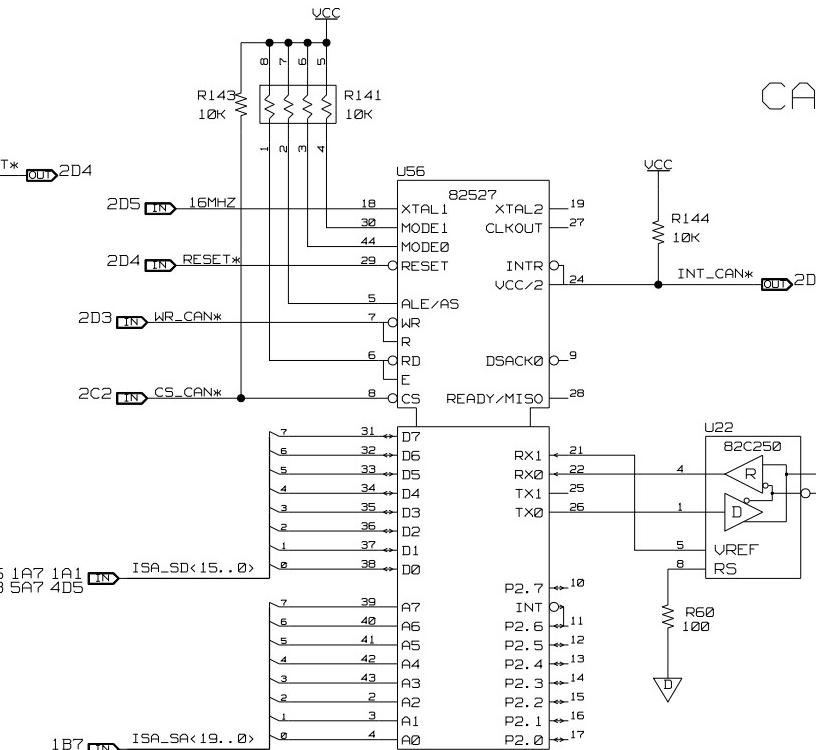
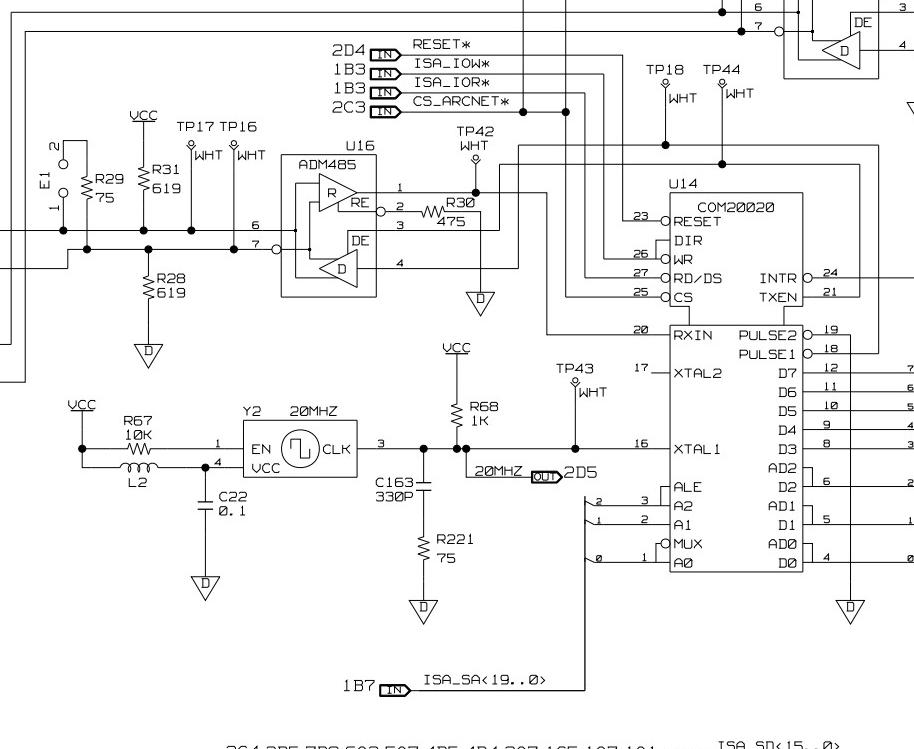
FRAME SYNC

CAN INTERFACE

ARCNET

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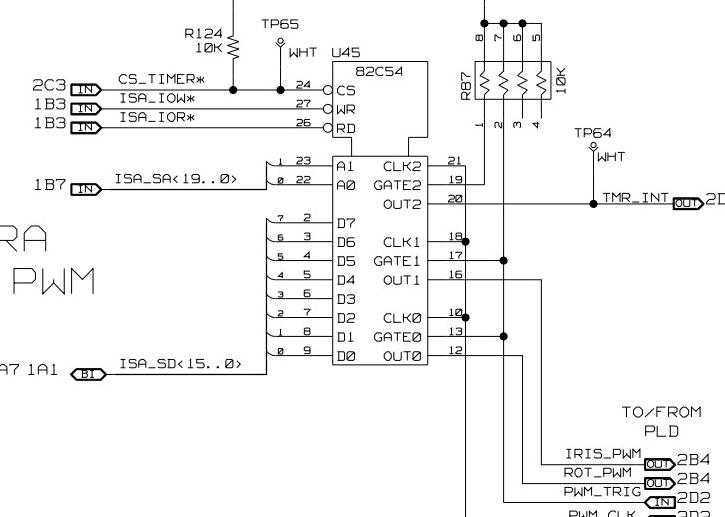
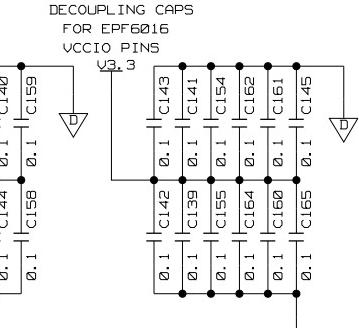
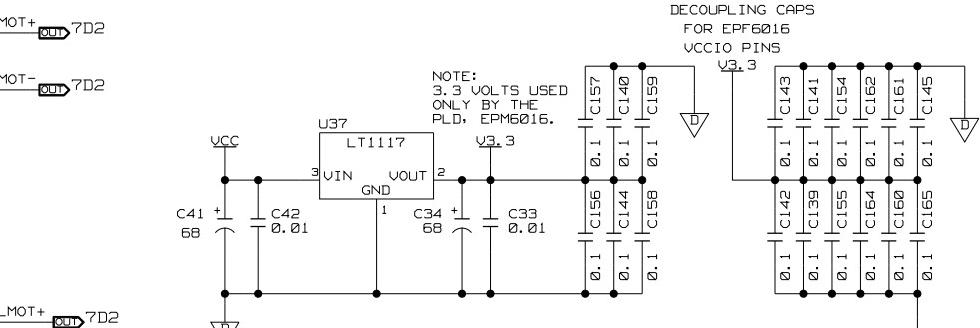
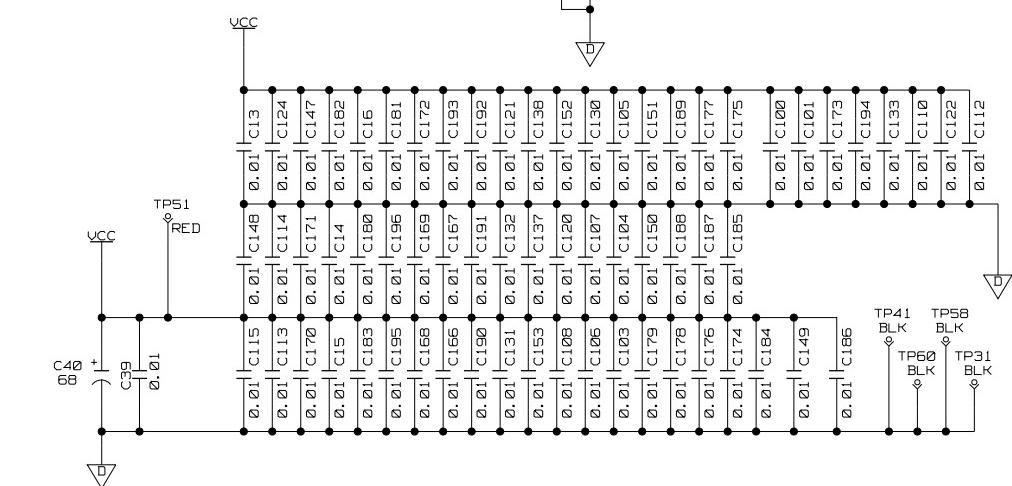
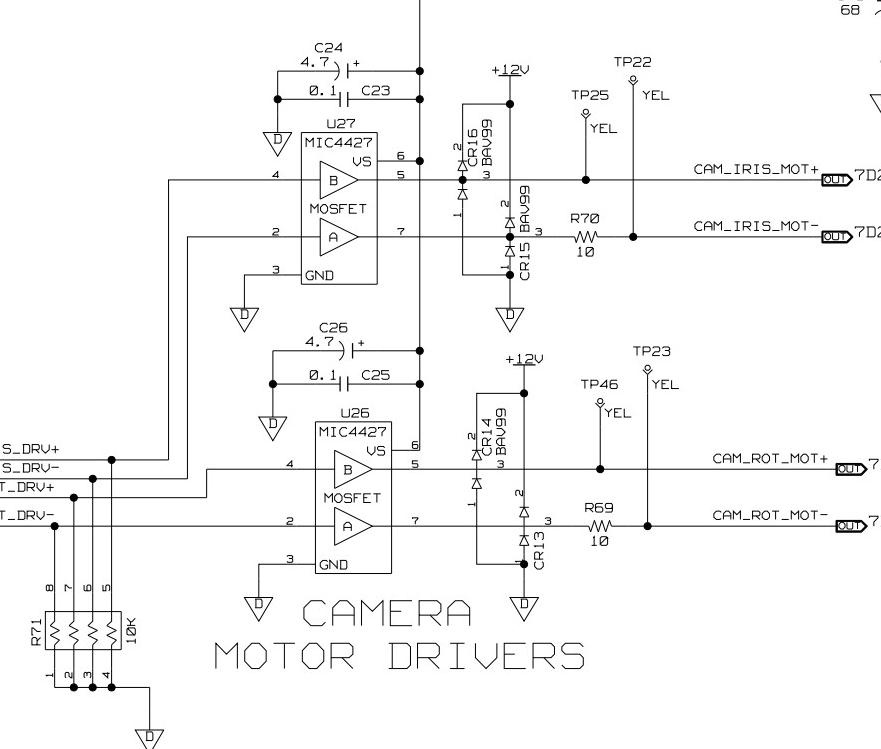
P3 - 1 <-- ARCNETHI
P3 - 2 <-- ARCNELO
P3 - 3 <-- FRAME_SYNC_HI
P3 - 4 <-- FRAME_SYNC_LO
P3 - 5 <-- 
  
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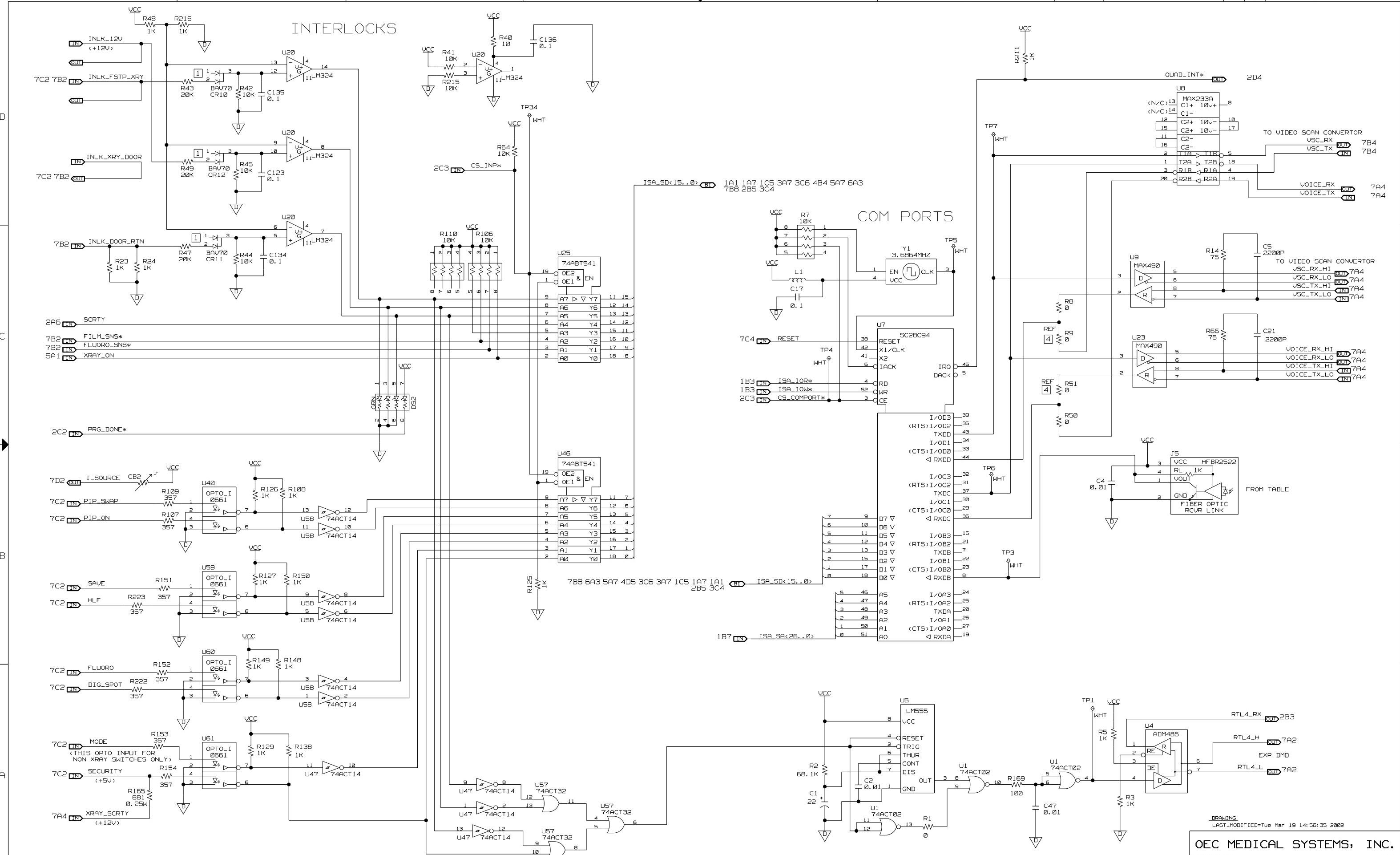


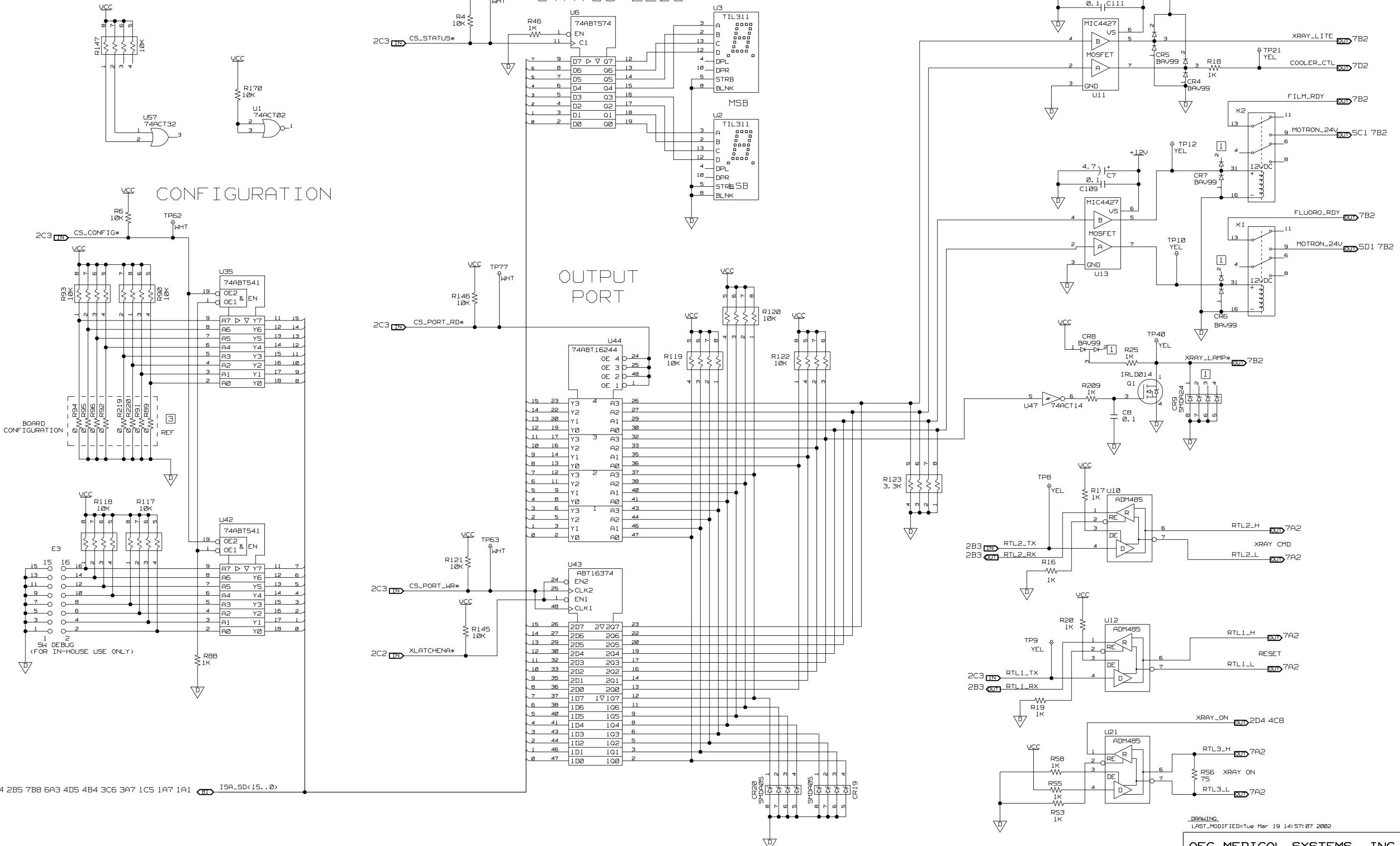
CAN BUS
DIAGNOSTIC
HEADER

CAMERA
MOTOR PWM

3C4 2B5 7B8 6A3 5A7 4D5 4B4 3C6 1C5 1A7 1A1 <-- ISA_SD<15..0>

CAMERA
MOTOR DRIVERS





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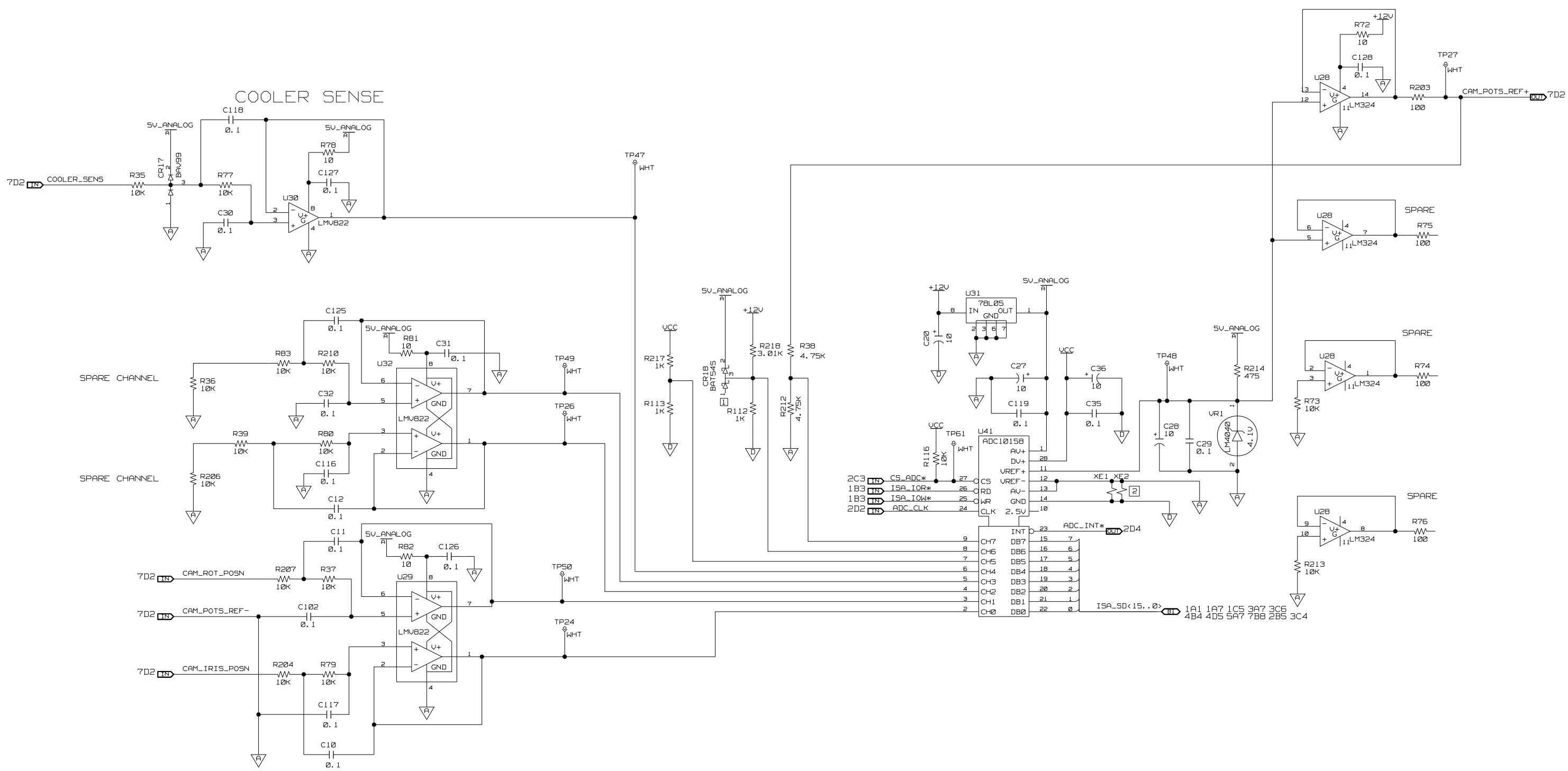
OEC MEDICAL SYSTEMS, INC.

SIZE DWG NO. 00-881567 REV B

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SHEET 5 OF 11

A/D CIRCUITRY



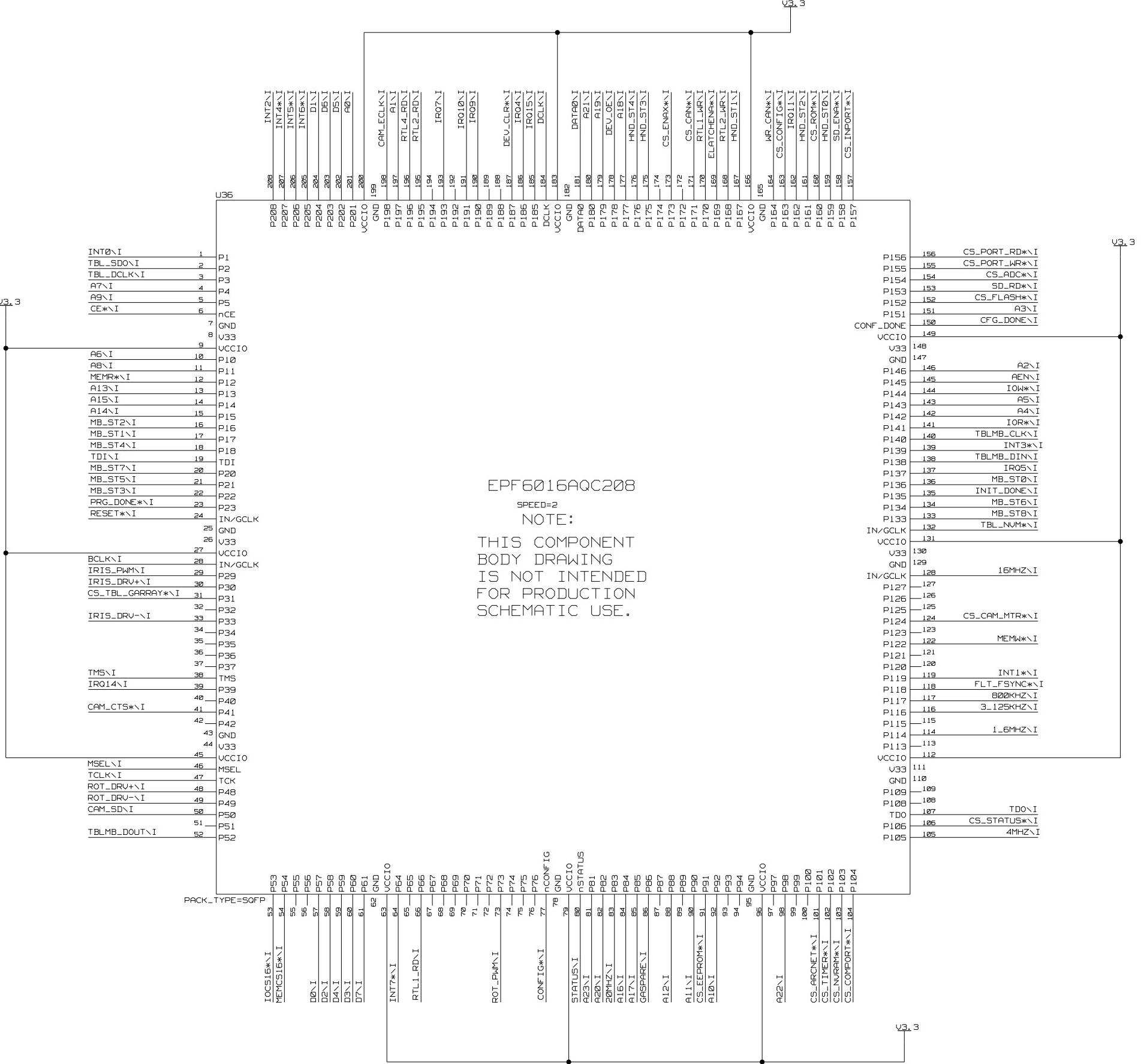
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OFC MEDICAL SYSTEMS, INC.

SIZE DWG NO. 00 001563 REV

00 001587 B

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DRAWING
LAST MODIFIED=Tue Mar 19 14:17:09 2002

OEC MEDICAL SYSTEMS, INC.		
SIZE	DWG NO.	
D	00-881567	REV B

SCALE: NONE SHEET 8 OF 11

*** Signal Cross-Reference ***
--- for the entire design --

1.6MHZ_CLK 2D2 2C8 2D8 7B6
16MHZ 2D5 3D4
20MHZ 3C6 2D5
ADC_CLK 2D2 6B4
ADC_INT * 6B3 2D4
AEN 7B4 1B4
ARCNET_HI 3D8
ARCNET_LO 3D7
ARC_INT * 3D5 2D4
BALE 7D4 1D8
BCLK 7D4 2D5 7B6
CAM_COMM+ 2C6 7D2
CAM_COMM- 2C6 7D2
CAM_CTS * 2A4 2B8
CAM_ECLK 2B6 2A4
CAM_IRIS_MOT+ 3B3 7D2
CAM_IRIS_MOT- 3B3 7D2
CAM_IRIS_POSN 7D2 6A8
CAM_POTS_REF+ 6C1 7D2
CAM_POTS_REF- 7D2 6A8
CAM_ROT_MOT+ 3A3 7D2
CAM_ROT_MOT- 3A3 7D2
CAM_ROT_POSN 7D2 6B8
CAM_SD 2A4 2C8
CAN_GEN_H 3D1 7A2
CAN_GEN_LL 3C1 7A2
COLL_SCRTY 7A4 2B8
COOLER_CTL 5D1 7D2
COOLER_SENS 7D2 6C8
CS_ADC * 2C3 6B4
CS_ARCNET * 2C3 3D6
CS_CAN * 2C2 3D4
CS_COMPORT * 2C3 4C4
CS_CONFIG * 2C3 5C8
CS_FLASH * 2C3 1D4
CS_INP * 2C3 4D6
CS_NVRAM * 2C3 1C2
CS_PORT_RD * 2C3 5C6
CS_PORT_WR * 2C3 5B6
CS_ROM * 2C3 1B2
CS_STATUS * 2C3 5D6
CS_TIMER * 2C3 3B7
DIG_SPOT 7C2 4A8
FILM_RDY 5D1 7B2
FILM_SNS * 7B2 4C8
FLUORO 7C2 4A8
FLUORO_RDY 5C1 7B2
FLUORO_SNS * 7B2 4C8
FRAME_SYNC_HI 3C8
FRAME_SYNC_LO 3C8
FSYNC_INT * 3D5 2D4
HLF 7C2 4B8
HND_ST <4..0> 2B3 7B6
INLK_12V 4D8 7B2
INLK_DOOR_RTN 7B2 4C8
INLK_FSTP_XRY 7B2 7C2 4D8
INLK_XRY_DOOR 4D8 7B2 7C2
INT_CAN * 3D3 2D4
IOCS16 * 2C3 7D5
IOR * 7D4 1B4
IOW * 7D4 1B4
IRIS_DRV+ 2B4 3A5
IRIS_DRV- 2B4 3A5
IRIS_PWM 3A6 2B4
IRQ2_9 2D2 7C4
IRQ3 7D3
IRQ4 2D2 7D4
IRQ5 2D2 7D4
IRQ6 7D3
IRQ7 2D2 7D4

IRQ10 2D2 7D5
IRQ11 2D2 7D5
IRQ14 2D2 7D5
IRQ15 2D2 7D5
ISA_AEN 1B3 2D5
ISA_IOR * 1B3 2C5 3B7 3D6 4C4 6B4
ISA_IOW * 1B3 2C5 3B7 3D6 4C4 6B4
ISA_LA <23..17> 1D6 1C5 2C5
ISA_MEMR * 1B3 1B2 1C2 1D4 2C5
ISA_MEMW * 1B3 1C2 1D4 2C5
ISA_SA <26..0> 1B7 1A2 1C2 1C5 2B5 3B7 3C4 3C6 4B4
ISA_SD <15..0> 1A1 1A7 1C5 3A7 3C6 4B4 4D5 5A7 6A3
7B8 2B5 3C4
I_SOURCE 4B8 7D2
LA <23..17> 1D8 7C5
MB_ST <8..0> 2B3 7A6
MEMCS16 * 2D3 7D5
MEMR * 7C5 1B4
MEMW * 7C5 1B4
MODE 7C2 4A8
MOTRON_24V 5C1 5D1 7B2
PIP_ON 7C2 4B8
PIP_SWAP 7C2 4B8
PRG_DONE * 2C2 4C8
PWM_CLK 2D2 3A6
PWM_TRIG 2D2 3A6
QUAD_INT * 4D2 2D4
RESET 7C4 2D5 4C4
RESET * 2D4 1D4 2C8 2D8 3D4 3D6
ROT_DRV+ 2B4 3A5
ROT_DRV- 2B4 3A5
ROT_PWM 3A6 2B4
RTL1_H 5B1 7A2
RTL1_L 5A1 7A2
RTL1_RX 5A3 2B3
RTL1_TX 2C3 5A3
RTL2_H 5B1 7A2
RTL2_L 5B1 7A2
RTL2_RX 5B3 2B3
RTL2_TX 2B3 5B3
RTL3_H 5A1 7A2
RTL3_L 5A1 7A2
RTL4_H 4A1 7A2
RTL4_L 4A1 7A2
RTL4_RX 4A1 2B3
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SAVE 7C2 4B8
SCRTY 2A6 4C8
SD <15..0> 1A8 7B4 7D5
SD_ENA * 2C3 1B8
SD_RD * 2C3 1B8
SECURITY 7C2 4A8
TABLE_CLK 7B2 2A6
TABLE_DAT 7B2 2A6
TABLE_V+ 7B2 2A6
TABLE_V- 7B2 2A2 2B6
TAST_V- 2B6 7B2
TBL_DCLK 2D6 2A5
TBL_NUM * 2C6 2A5
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TBL_SDO 2D6 2A5
TBL_TX_HI 7C2 2D8
TBL_TX_LO 7C2 2C8
TMR_INT 3B6 2D4
VOICE_RX 4D1 7A4
VOICE_RX_HI 4C1 7A4
VOICE_RX_LO 4C1 7A4
VOICE_SCRTY 7A4 2B8
VOICE_TX 7A4 4D1
VOICE_TX_HI 7A4 4C1
VOICE_TX_LO 7A4 4C1
VSC_RX 4D1 7B4

VSC_RX_HI 4C1 7A4
VSC_RX_LO 4C1 7A4
VSC_TX 7B4 4D1
VSC_TX_HI 7A4 4C1
VSC_TX_LO 7A4 4C1
WR_CAN * 2D3 3D4
XCC_SCRTY 7A4 2A8
XLATCHENA * 2C2 5B6
XRAY_LAMP * 5C1 7B2
XRAY_LITE 5D1 7B2
XRAY_ON 5A1 2D4 4C8
XRAY_SCRTY 7A4 4A8

*** Unit Cross-Reference ***
--- for the entire design --

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ASM_LU33 ADDONS 7A8
ASML_U4B ADDONS 7A8
C1 TASMT_7343 4A4
C2 CERSMT_0805 4A4
C4 CERSMT_0805 4B2
C5 CERSMT_0805 4C1
C6 TASMT_6032 5D2
C7 TASMT_6032 5D2
C8 CERSMT_0805 5C2
C9 CERSMT_0805 2D8
C10 CERSMT_0805 6A7
C11 CERSMT_0805 6B7
C12 CERSMT_0805 6B7
C13 CERSMT_0805 3C3
C14 CERSMT_0805 3B2
C15 CERSMT_0805 3B2
C16 CERSMT_0805 3C2
C17 CERSMT_0805 4C4
C18 CERSMT_0805 3C3
C19 CERSMT_0805 3C2
C20 TASMT_6032 6B4
C21 CERSMT_0805 4C1
C22 CERSMT_0805 3C7
C23 CERSMT_0805 3B4
C24 TASMT_6032 3B4
C25 CERSMT_0805 3A4
C26 TASMT_6032 3A4
C27 TASMT_6032 6B3
C28 TASMT_6032 6B3
C29 CERSMT_0805 6B3
C30 CERSMT_0805 6C7
C31 CERSMT_0805 6B6
C32 CERSMT_0805 6B7
C33 CERSMT_0805 3A2
C34 TASMT_7343 3A2
C35 CERSMT_0805 6B3
C36 TASMT_6032 6B3
C37 TASMT_7343H 1C2
C38 TASMT_7343 3C8
C39 CERSMT_0805 3B3
C40 TASMT_7343 3B3
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C42 CERSMT_0805 3A3
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C45 CERSMT_0805 3C8
C46 TASMT_7343 7B1
C47 CERSMT_0805 4A3
C100 CERSMT_0805 3C1
C101 CERSMT_0805 3C1
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C109 CERSMT_0805 5D2
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C121 CERSMT_0805 3C2

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C123 CERSMT_0805 4D7
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C199 CERSMT_0805 7B2
CB1 POLYSWITCH_3812 7A4
CB2 POLYSWITCH_4B8
CB3 POLYSWITCH_3812 7B2
CB4 POLYSWITCH_3812 7C2
CB5 POLYSWITCH_3812 7B2
CR1 DIO_SMT_BAV99 2B7
CR2 DIO_SMT_BAV70 2B7
CR3 DIO_SMT_BAV70 2B7
CR4 DIO_SMT_BAV99 5D2
CR5 DIO_SMT_BAV99 5D2
CR6 DIO_SMT_BAV99 5C2
CR7 DIO_SMT_BAV99 5D2
CR8 DIO_SMT_BAV99 5C2
CR9 SRGAR_24V_55400215 5C2
CR10 DIO_SMT_BAV70 4D7
CR11 DIO_SMT_BAV70 4C7
CR12 DIO_SMT_BAV70 4D7
CR13 DIO_SMT_BAV99 3A4
CR14 DIO_SMT_BAV99 3A4
CR15 DIO_SMT_BAV99 3B4
CR16 DIO_SMT_BAV99 3B4
CR17 DIO_SMT_BAV99 6C8
CR18 SCHOTTKY_SMT_BAT54S 6B5
CR19 SRGAR_5V_55400215 5A3
CR20 SRGAR_5V_55400215 5A4
DS1 LED4_67480200 2A8
DS2 LED4_GRN_67480211 4C6
E1 JMPST_1X2_90012601 3D7
E2 JMPST_1X2_90012601 3D2
E3 JMPST_2X8_90012602 5B8
J1 DSUBRA_37_51970016 7C1 7C1 7C1 7C1 7D1
J2 7D1 7D1 7D1 7D1
J3 DSUBRA_25_51970026 7A3 7A3 7A3 7B3 7B3
J4 DSUBRA_25_51970026 7A3 7A3 7A3 7B3 7B3
J5 HFBR2522 4B2
K1 RLYDPDT_12DC_72919716 5C1
K2 RLYDPDT_12DC_72919716 5D1
K3 RLYDPDT_12DC_72919716 2B6
L1 FR_BD_SMT_43200000 4C4
L2 FR_BD_SMT_43200000 3C7
L3 FR_BD_SMT_43200000 2D5
L4 INDSMTMLD_1210 7C1
MISC1 ADDONS 7A8
MISC2 ADDONS 7A8
MISC3 ADDONS 7A8
MISC4 ADDONS 7A8
P1 CONN_EDGE_ISA16BIT 7B3 7B3 7B3 7B3 7B3 7C3
P2 DSUBRA_37_51970025 7A1 7A1 7A1 7B1 7B1 7B1
P3 DSUBRA_9_51109746 3C8 3D8
P4 HDBRST_2X5_51408753 2A1
P5 HDBKST_2X5_90012602 2B1
P6 HDBKST_2X10_90012602 7A7 7B7 7B7
P7 HDSHRST_2X5_51408753 3C2
P8 HDBKST_2X10_90012602 7A5 7B5 7B5
Q1 IRLD014 5C2
Q2 MMBT2222 2A2
R1 RESSMT_1205 4A3
R2 RESSMT_0805 4A4
R3 RESSMT_0805 4A2
R4 RESSMT_0805 5D6
R5 RESSMT_0805 4A2
R6 RESSMT_0805 5C7
R7 RESSMT8DIP4X 4D4
R8 RESSMT_1205 4C2
R9 RESSMT_1205 4C2
R10 RESSMT_0805 2A7
R11 RESSMT_0805 2A7

R12 RESSMT_0805 2A7
R13 RESSMT_0805 2A7
R14 RESMF1_4W 4C2
R15 RESSMT_0805 2A7
R16 RESSMT_0805 5B2
R17 RESSMT_0805 5B2
R18 RESSMT_0805 5D2
R19 RESSMT_0805 5A3
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R26 RESSMT_0805 3D6
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R31 RESSMT_1205 3D7
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R56 RESSMT_1210 5A2
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R60 RESSMT_0805 3C3
R61 RESSMT_1210 3D2
R62 RESSMT_0805 3D3
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R64 RESSMT_0805 4D6
R65 RESSMT_0805 1B2
R66 RESMF1_4W 4C2
R67 RESSMT_0805 3C7
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R69 RESCC1_2W 3A4
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R72 RESSMT_0805 5D2
R73 RESSMT_0805 6B2
R74 RESSMT_0805 6B2
R75 RESSMT_0805 6C2
R76 RESSMT_0805 6B2
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R78 RESSMT_0805 6C7
R79 RESSMT_0805 6A7
R80 RESSMT_0805 6B7
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R84 RESSMT_0805 2A2

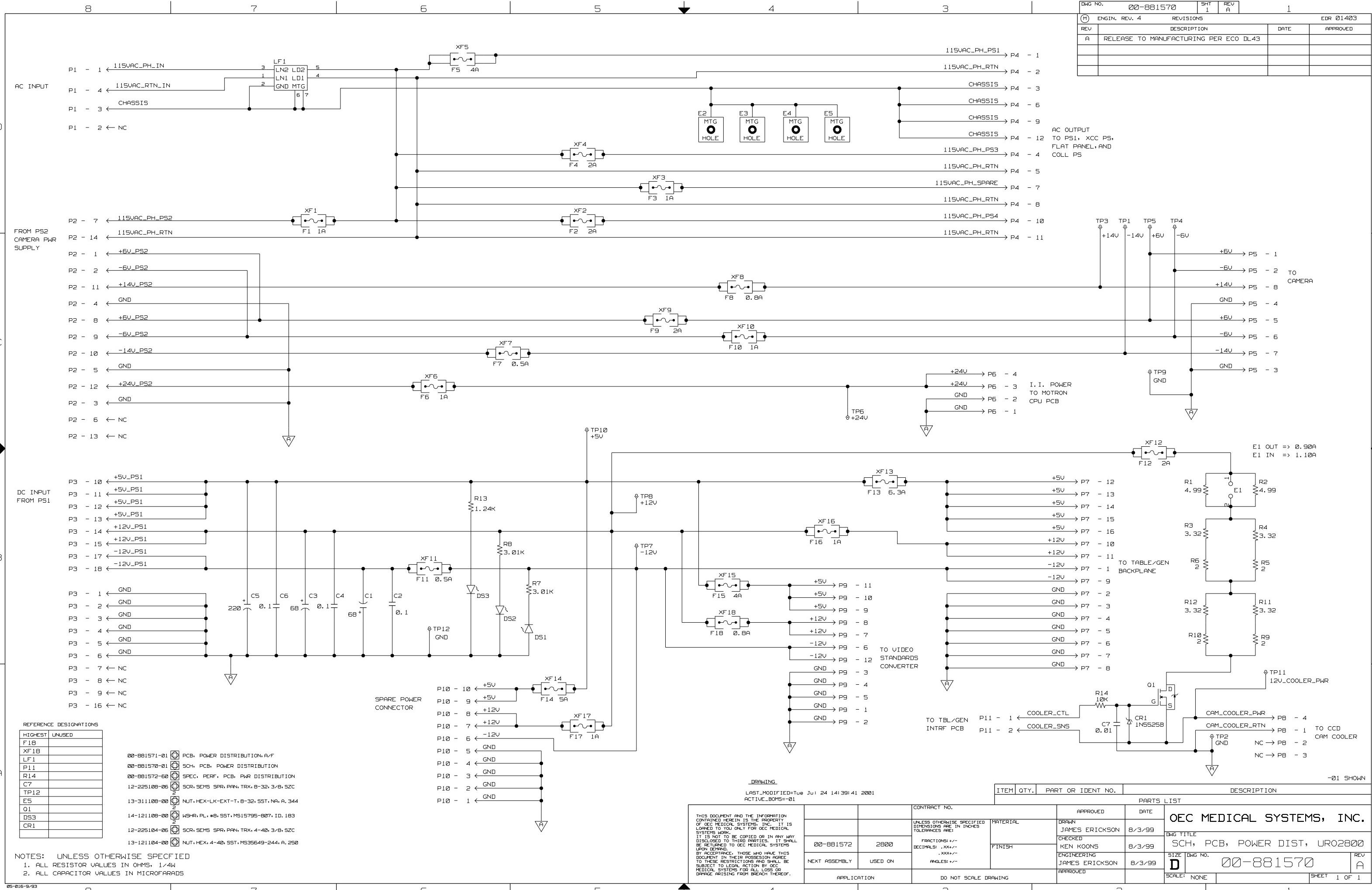
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R90 RESSMT8DIP4X 5C7
R91 RESSMT_0805 5C7
R92 RESSMT_0805 5C8
R93 RESSMT8DIP4X 5C8
R94 RESSMT_0805 5C8
R95 RESSMT_0805 5C8
R96 RESSMT_0805 5C8
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R105 RESSMT_0805 1D4
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R107 RESSMT_1206 4B8
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R170 RESSMT_0805 5D7
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R212 RESSMT_0805 6B5
R213 RESSMT_0805 6B2
R214 RESSMT_1206 6B2
R215 RESSMT_0805 4D6
R216 RESSMT_0805 4D8
R217 RESSMT_0805 6B5
R218 RESSMT_0805 6B5
R219 RESSMT_0805 5C7
R220 RESSMT_0805 5C7
R221 RESSMT_0805 3C6
R222 RESSMT_1206 4A8
TP1 TEST_POINT_COLOR 4A2
TP2 TEST_POINT_COLOR 5D5
TP3 TEST_POINT_COLOR 4B3
TP4 TEST_POINT_COLOR 4C4
TP5 TEST_POINT_COLOR 4C3
TP6 TEST_POINT_COLOR 4B3
TP7 TEST_POINT_COLOR 4D3
TP8 TEST_POINT_COLOR 5B3
TP9 TEST_POINT_COLOR 5B3
TP10 TEST_POINT_COLOR 5C2
TP11 TEST_POINT_COLOR 3D6
TP12 TEST_POINT_COLOR 5D2
TP13 TEST_POINT_COLOR 3D5
TP14 TEST_POINT_COLOR 3D5
TP15 TEST_POINT_COLOR 2D6
TP16 TEST_POINT_COLOR 3D7
TP17 TEST_POINT_COLOR 3D7
TP18 TEST_POINT_COLOR 3D6
TP19 TEST_POINT_COLOR 2D4
TP20 TEST_POINT_COLOR 2D7
TP21 TEST_POINT_COLOR 5D1
TP22 TEST_POINT_COLOR 3B4
TP23 TEST_POINT_COLOR 3A4
TP24 TEST_POINT_COLOR 5A6
TP25 TEST_POINT_COLOR 3B4
TP26 TEST_POINT_COLOR 6B6
TP27 TEST_POINT_COLOR 6D1
TP28 TEST_POINT_COLOR 2D3
TP29 TEST_POINT_COLOR 1B3
TP30 TEST_POINT_COLOR 1B3
TP31 TEST_POINT_COLOR 3B1
TP32 TEST_POINT_COLOR 2D6
TP33 TEST_POINT_COLOR 2C2
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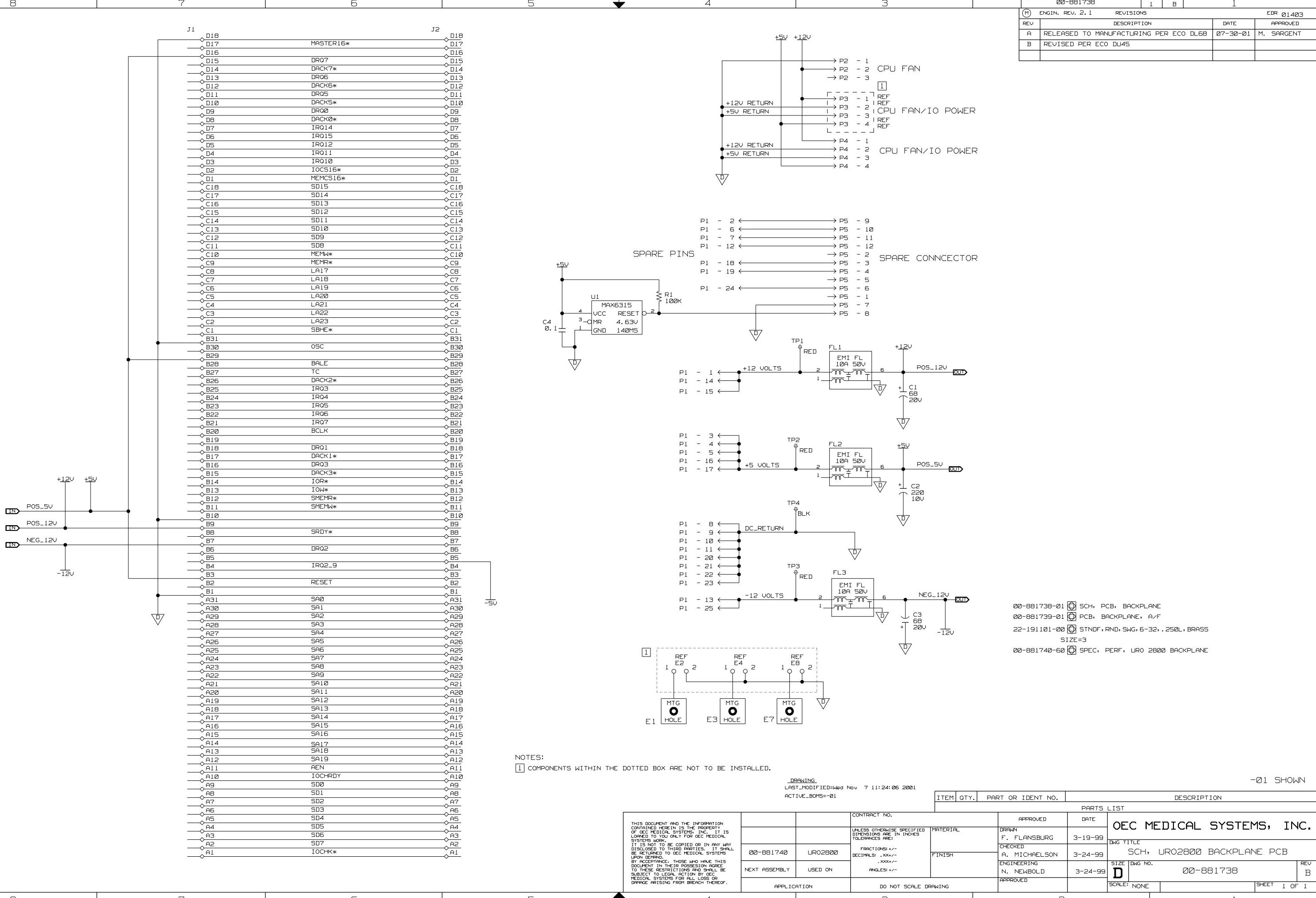
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TP44 TEST_POINT_COLOR 3D6
TP45 TEST_POINT_COLOR 2D6
TP46 TEST_POINT_COLOR 3A4
TP47 TEST_POINT_COLOR 6C5
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TP49 TEST_POINT_COLOR 6B6
TP50 TEST_POINT_COLOR 6B6
TP51 TEST_POINT_COLOR 3B3
TP52 TEST_POINT_COLOR 2D5
TP53 TEST_POINT_COLOR 2C3
TP54 TEST_POINT_COLOR 2D3
TP55 TEST_POINT_COLOR 2C8
TP56 TEST_POINT_COLOR 2D3
TP57 TEST_POINT_COLOR 1D4
TP58 TEST_POINT_COLOR 3B1
TP59 TEST_POINT_COLOR 1D2
TP60 TEST_POINT_COLOR 3B1
TP61 TEST_POINT_COLOR 6B4
TP62 TEST_POINT_COLOR 5C7
TP63 TEST_POINT_COLOR 5B5
TP64 TEST_POINT_COLOR 3B6
TP65 TEST_POINT_COLOR 3B7
TP66 TEST_POINT_COLOR 1B3
TP67 TEST_POINT_COLOR 1B3
TP68 TEST_POINT_COLOR 2C2
TP69 TEST_POINT_COLOR 2D4
TP70 TEST_POINT_COLOR 2D3
TP71 TEST_POINT_COLOR 2D2
TP72 TEST_POINT_COLOR 2D3
TP73 TEST_POINT_COLOR 2D2
TP74 TEST_POINT_COLOR 2A6
TP75 TEST_POINT_COLOR 2A6
TP76 TEST_POINT_COLOR 2D3
TP77 TEST_POINT_COLOR 5C5
TP78 TEST_POINT_COLOR 3C8
TP79 TEST_POINT_COLOR 3C8
TP80 TEST_POINT_COLOR 2A4
TP81 TEST_POINT_COLOR 2A4
TP82 TEST_POINT_COLOR 2A4
TP83 TEST_POINT_COLOR 2D3
TP84 TEST_POINT_COLOR 2A3
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U2 TIL311 5D4
U3 TIL311 5D4
U4 ADM485 4A2
U5 LM555 4A3
U6 74ABT574 5D5
U7 SC28C94 4C4
U8 MAX233A 4D2
U9 MAX490 4C2
U10 ADM485 5B2
U11 MIC4427 5D2
U12 ADM485 5B2
U13 MIC4427 5C2
U14 COM20020 3D5
U15 ADM485 3D5
U16 ADM485 3D6
U17 HD6409 2D7
U18 ADM485 2D7
U19 ADM485 2C6
U20 LM324 4D6 4D7
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U22 82C250 3D3
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U24 HD6409 2C7
U25 74ABT541 4C5

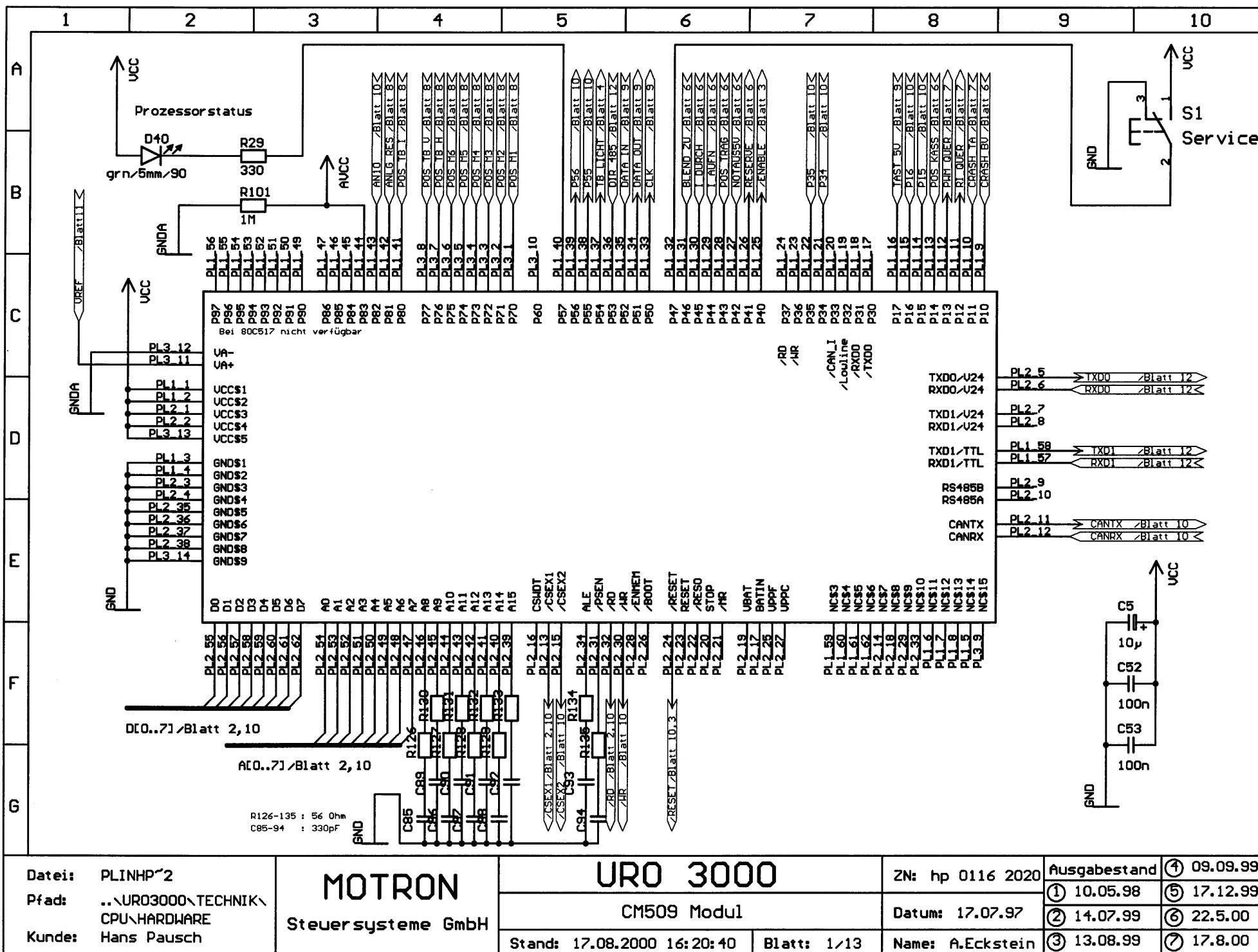
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U32 LMV822 6B7
U33 27C512_200 1B1
U34 74ABT245 1B4
U35 74ABT541 5C7
U37 LT1117 3B2
U38 AM29F032 1D4
U39 AM29F032 1D3
U40 OPTO_I_0661 4B7
U41 ADC10158 6B4
U42 74ABT541 5B7
U43 74ABT16374 5B5
U44 74ABT16244 5C5
U45 82C54 3B7
U46 74ABT541 4B5
U47 74ACT14 2D5 4A6 4A7 5C3
U48 EPC1 2B2
U49 HCPL0501 2A5
U50 HCPL0501 2A5
U51 HCPL0201 2A3
U52 74ABT16373 1D7
U53 74ABT16373 1C7
U54 STK12C68 1D1
U55 74ABT16245 1B7
U56 82527 3D4
U57 74ACT32 4A5 5D7
U58 74ACT14 4A7 4B7 4B7
U59 OPTO_I_0661 4B7
U60 OPTO_I_0661 4B7
U61 OPTO_I_0661 4A7
VR1 LM4040_4XIV 6B2
XE1 SHORT_PC_X225_X09 6B3
XE2 SHORT_PC_X225_X09 6B3
Y1 OSC_SMT_EN_VCC 4C3
Y2 OSC_SMT_EN_VCC 3C7
Y3 OSC_SMT_EN_VCC 2D5

DWG NO. 00-881570				SHT 1	REV A	1
EDR 01403						
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REV A		RELEASE TO MANUFACTURING PER ECO DL43				

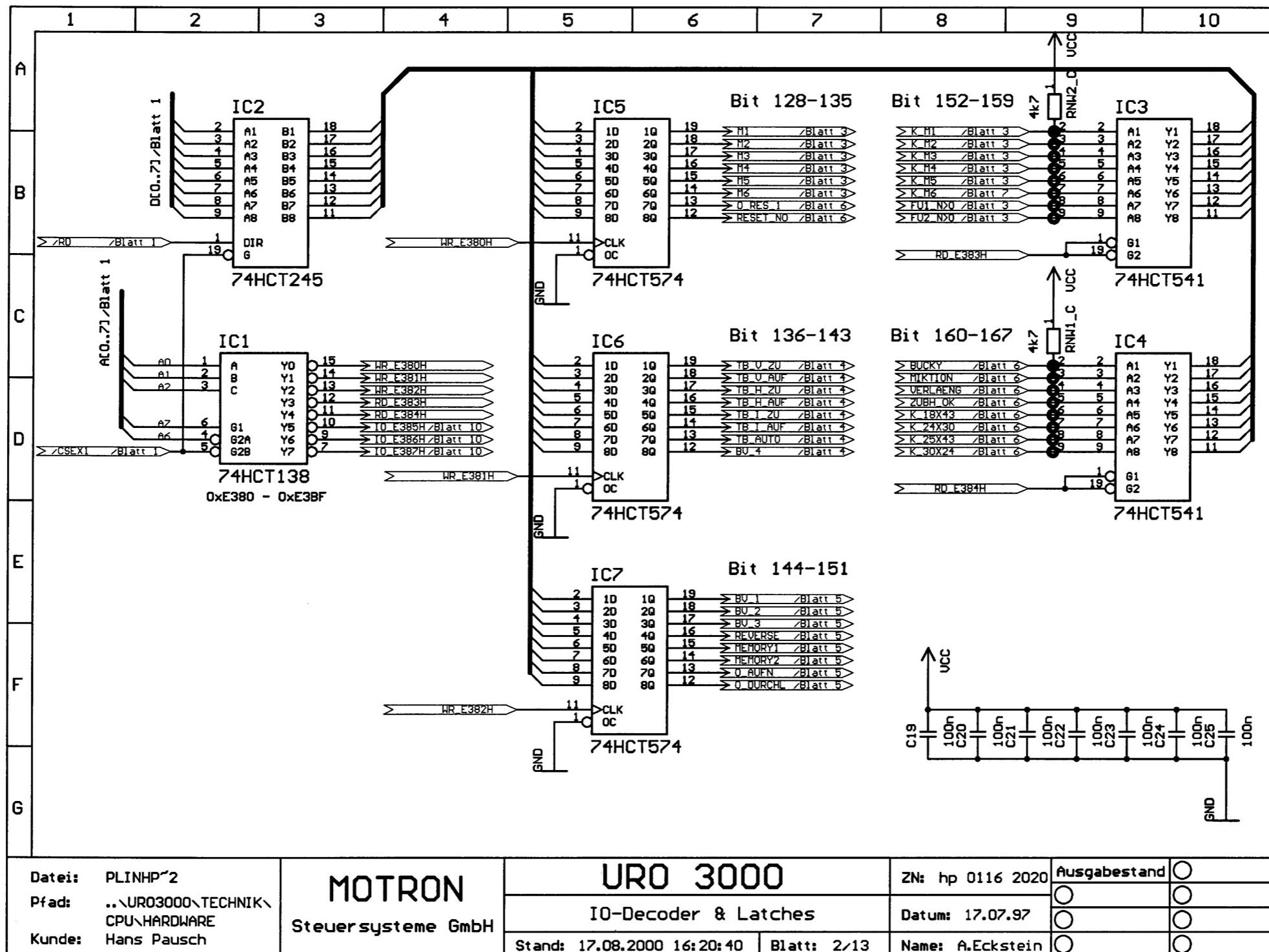


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REV	DESCRIPTION	DATE		APPROVED	
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B	REVISED PER ECO DU45				



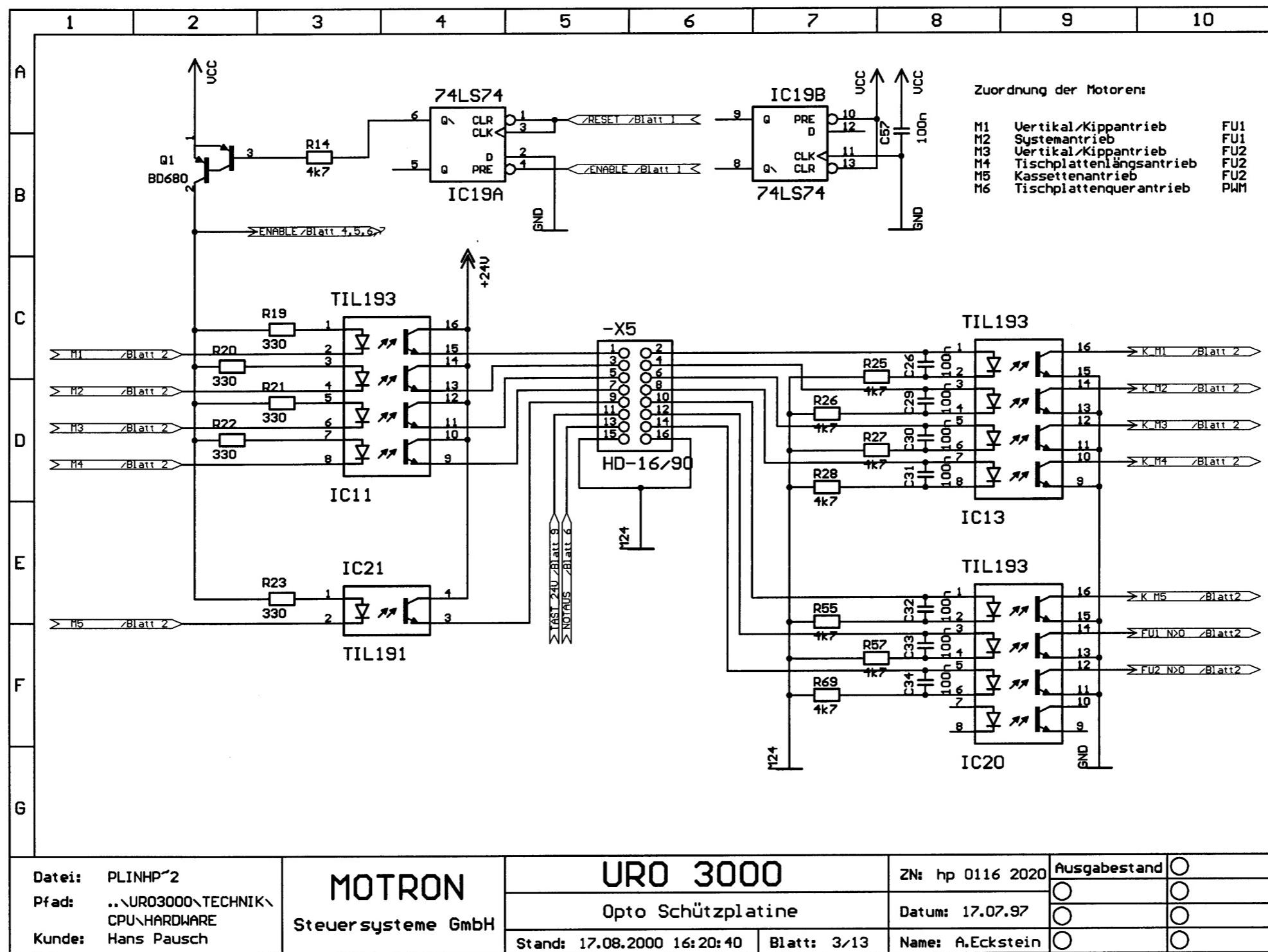


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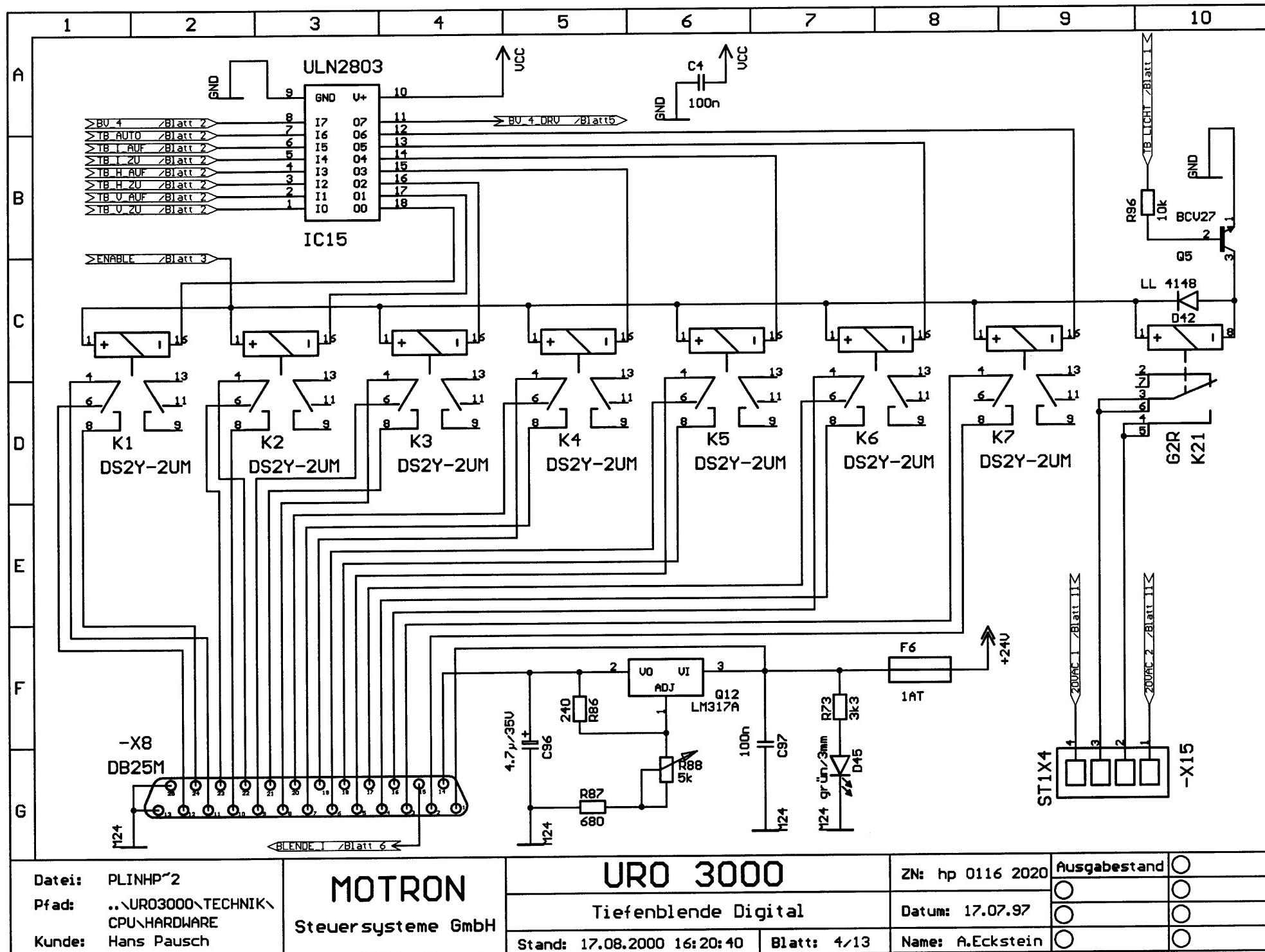


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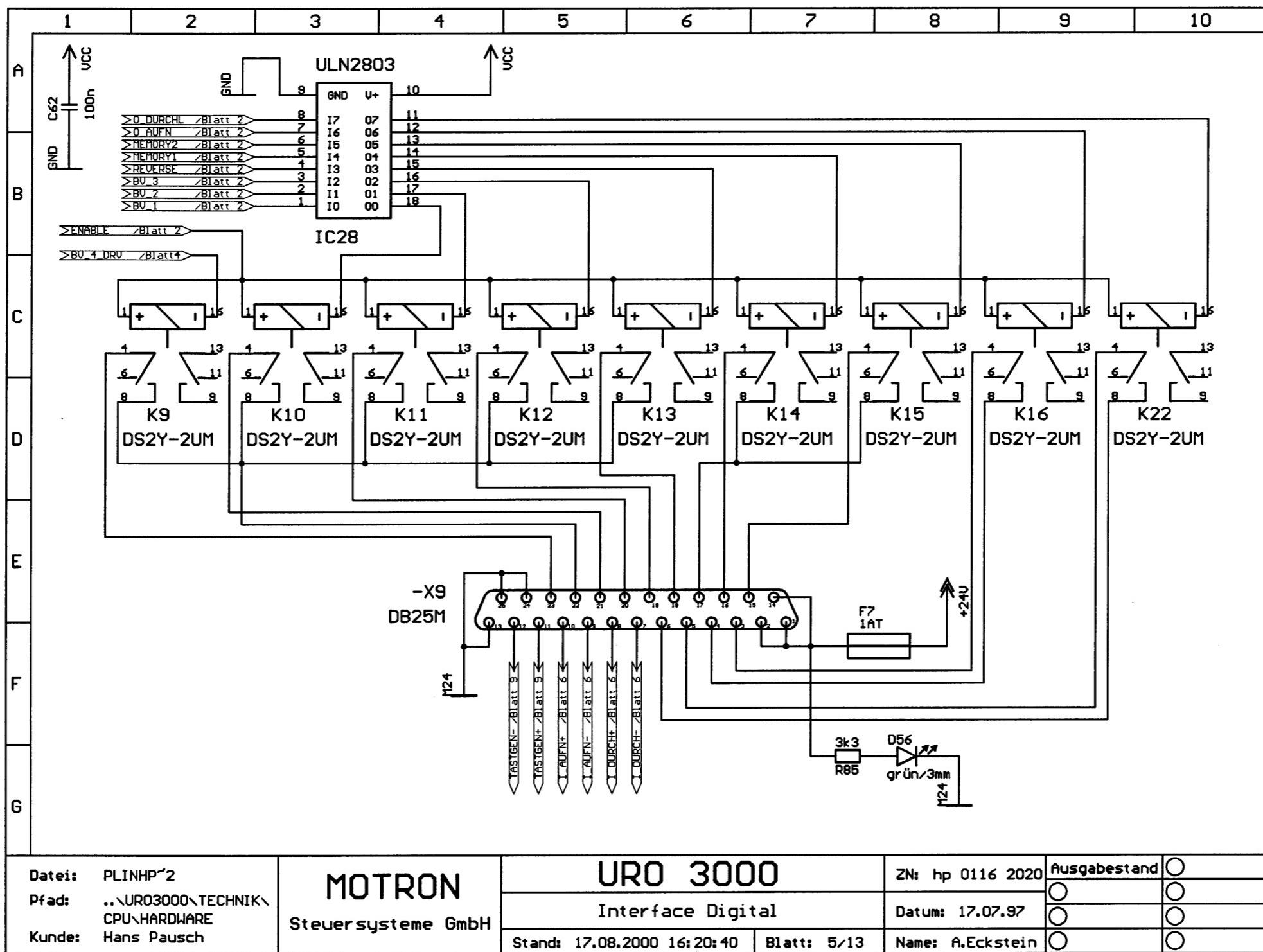
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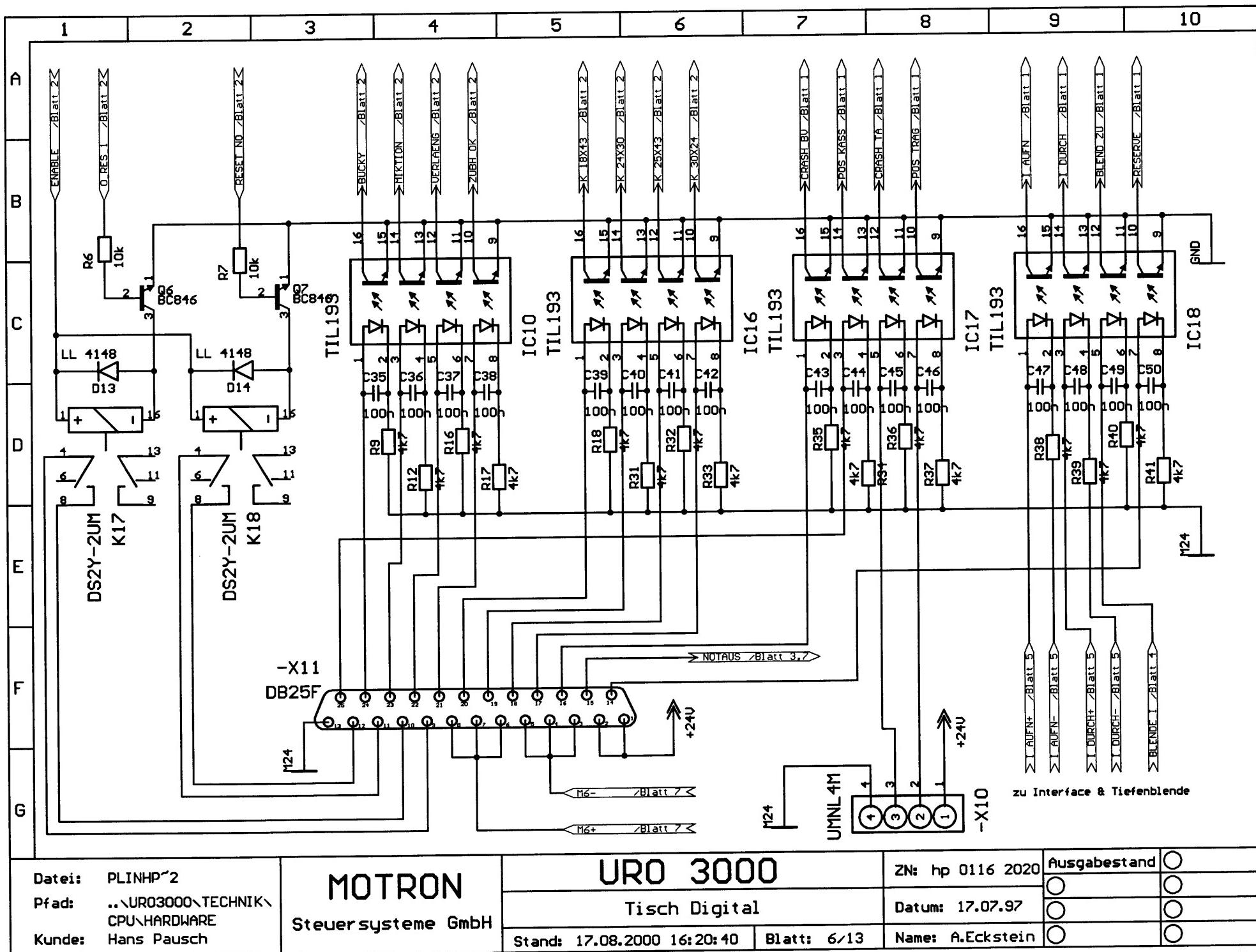
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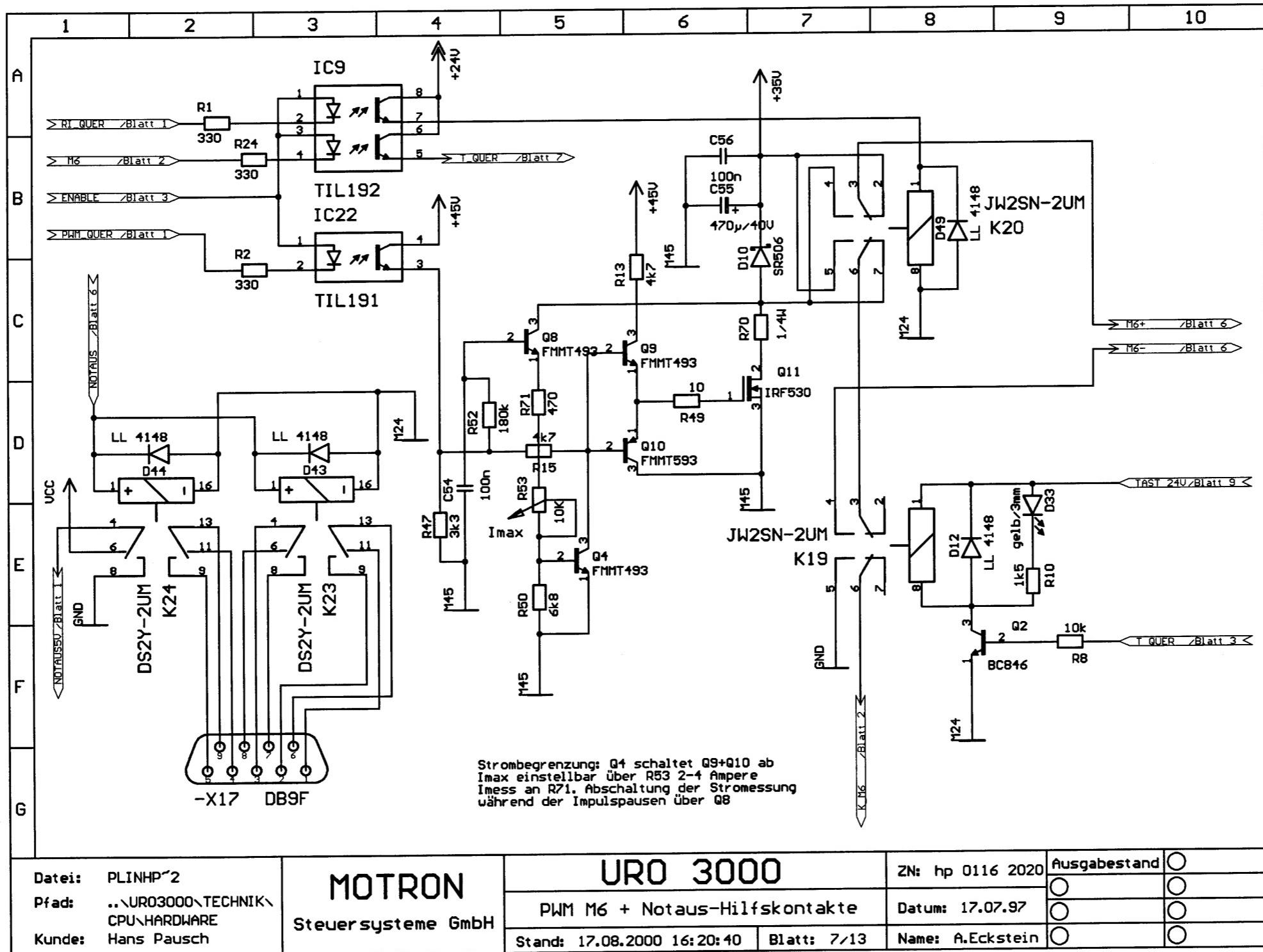


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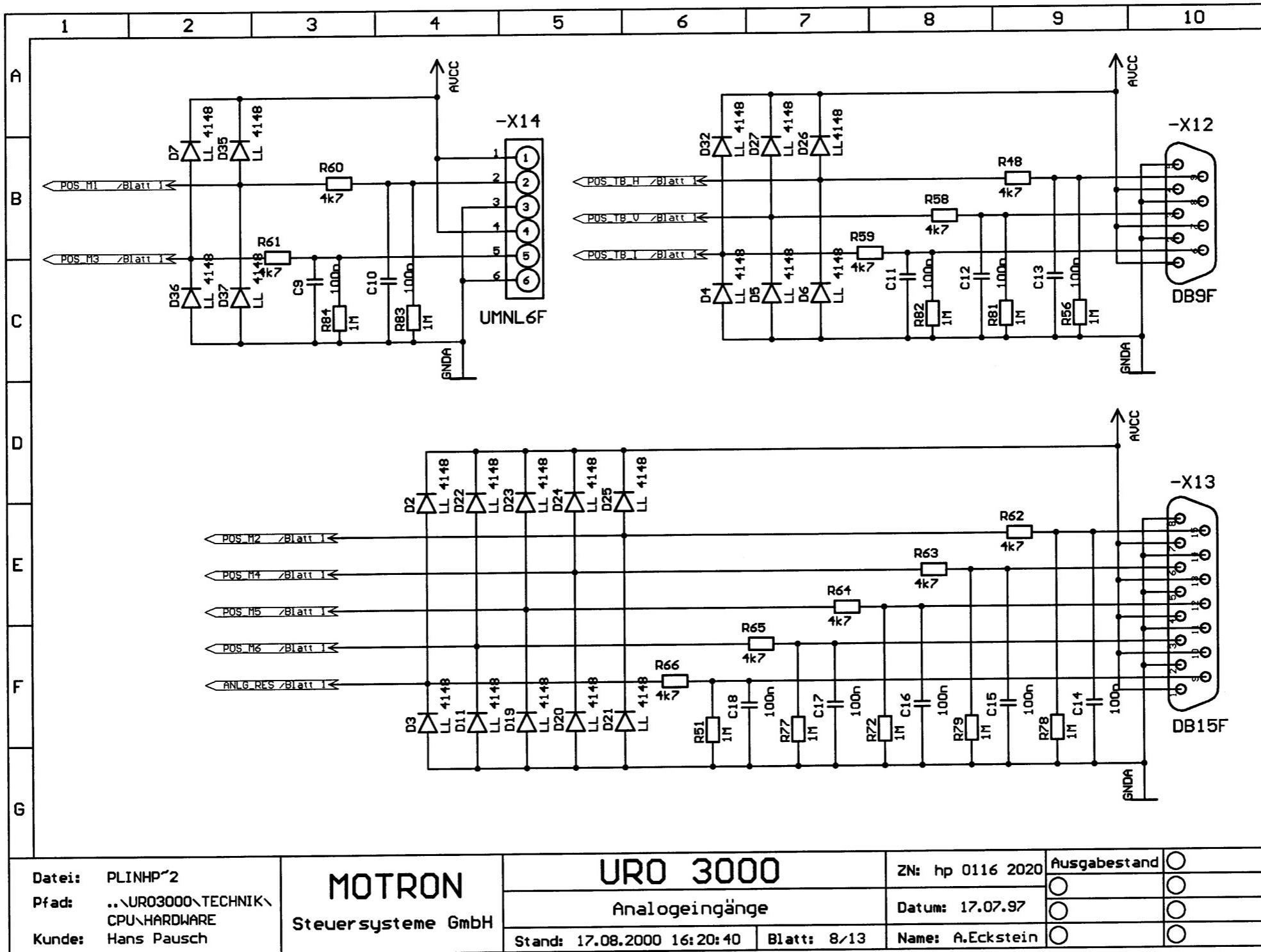


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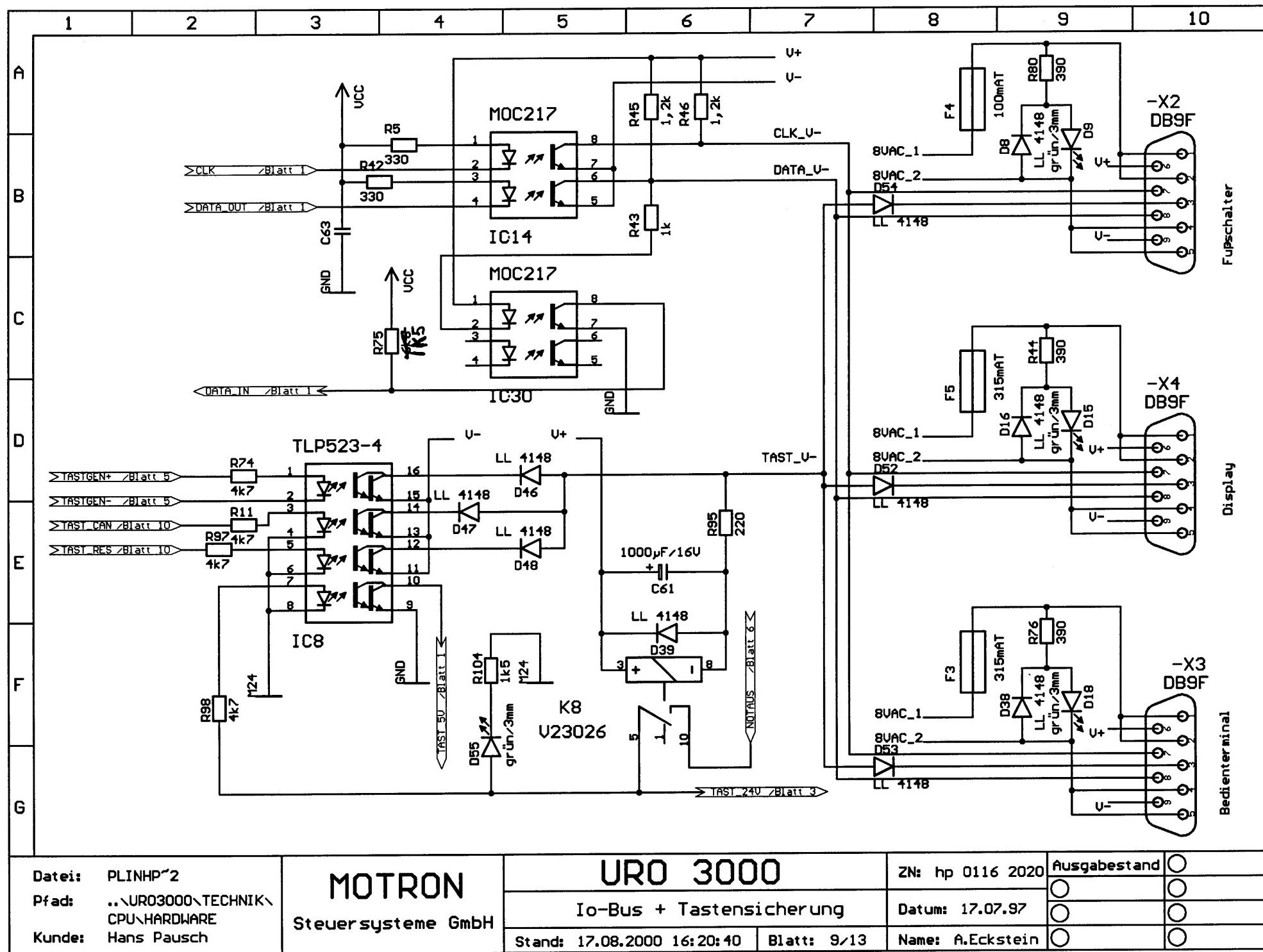




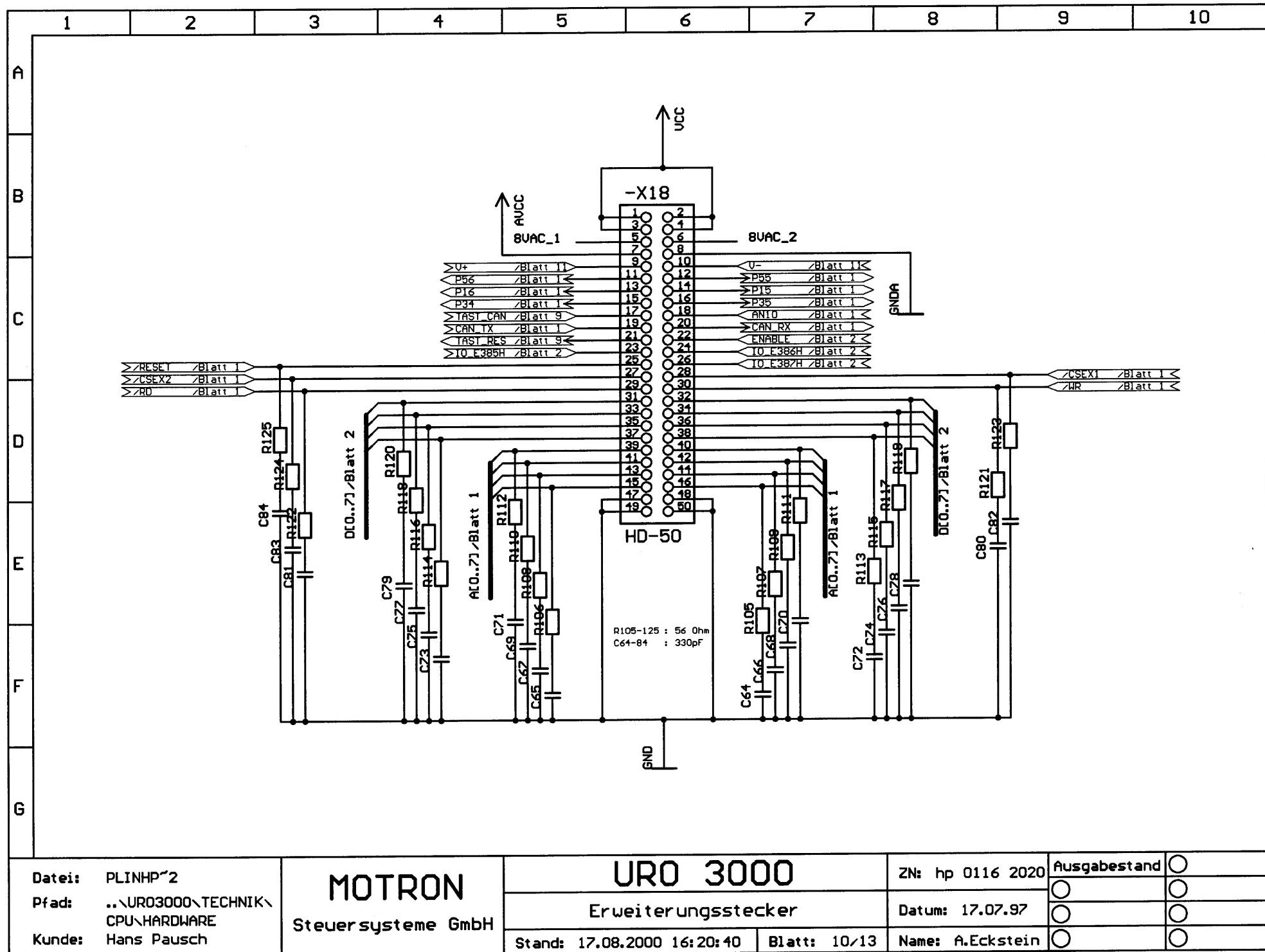
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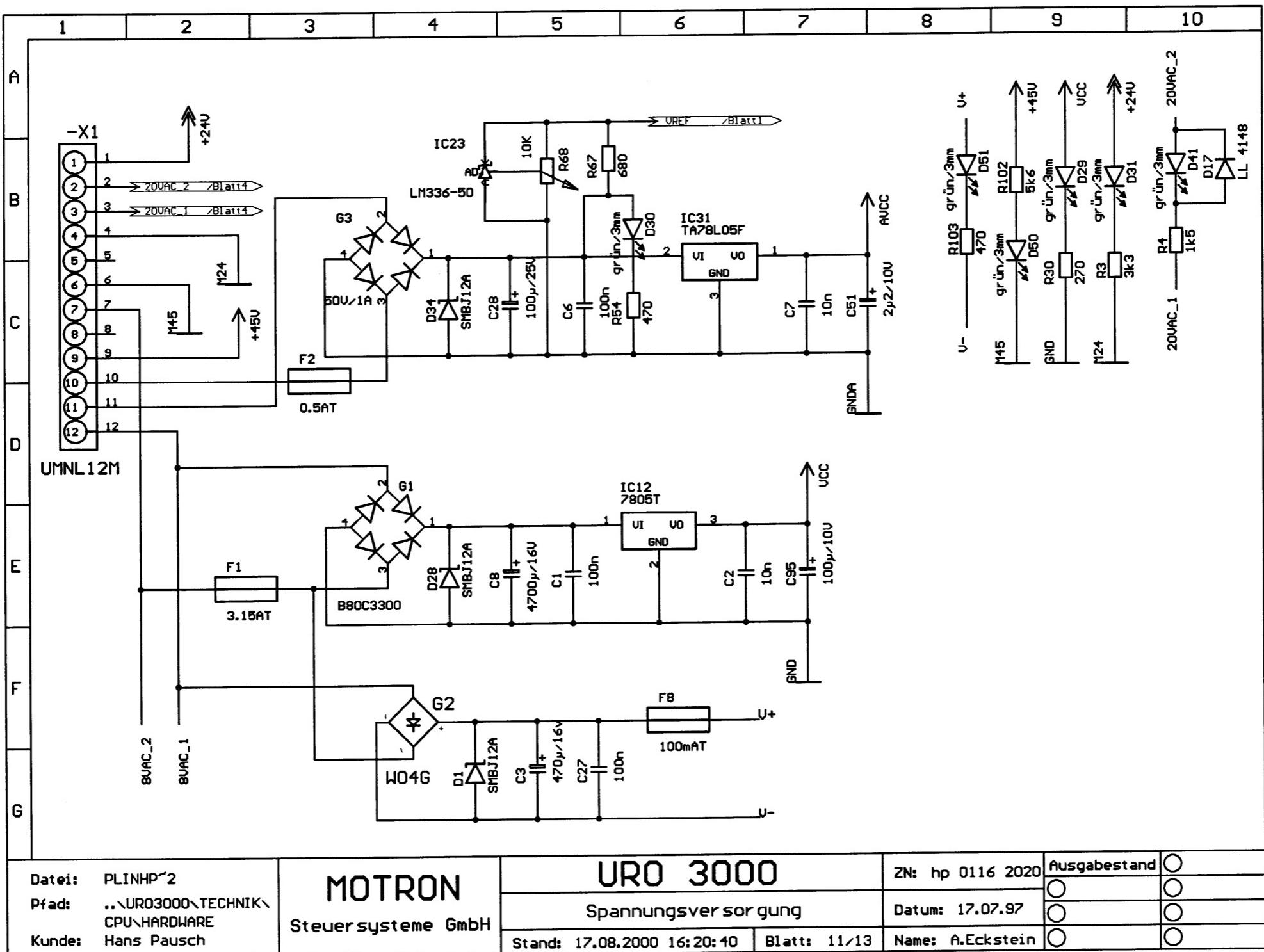
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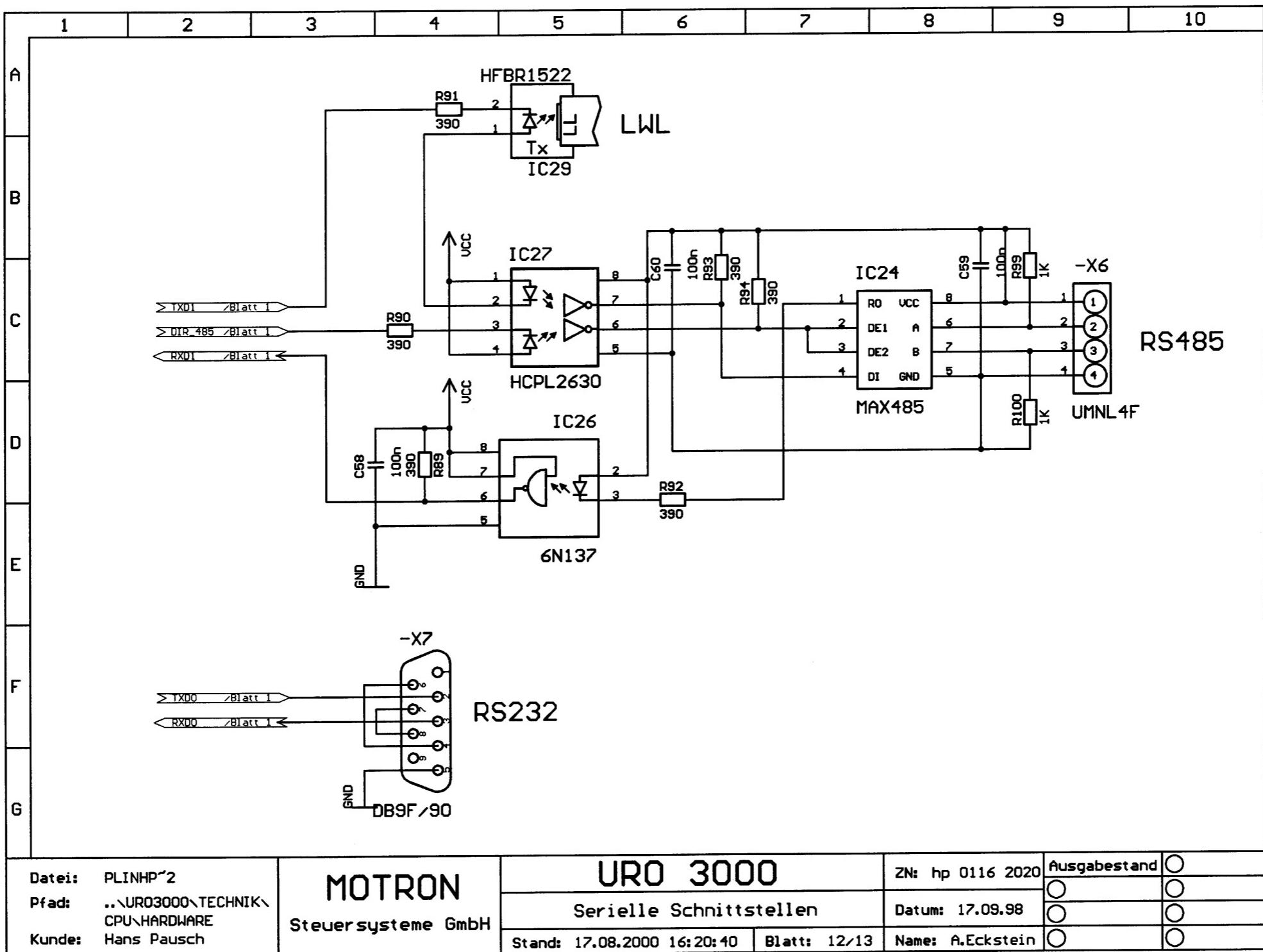
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00-884216-01 A



00-884Z16-01 A



00-884216-01 A

	1	2	3	4	5	6	7	8	9	10
A	1.	Notauskreis Masse -> +24V (10.5.98 AE)								
	2.	Kassettenantrieb M5 nur im Notauskreis nicht wie M1-M4 im Tastensicherungskreis. Änderung an der Steckerbelegung -X5 Pin 13. Früher Tastsich jetzt Notaus für M5. (14.7.99 AE)								
B	3.	Strombegrenzung PWM-Endstufe überarbeitet. Neu: Shuntwiderstand, FET Umax 50V->100V -> neues Layout CPU38.BRD (13.8.99 AE)								
C	4.	Layoutfehler (Leiterbahnkreuzung mit PWM Widerstand) -> neues Layout: CPU39.BRD. PWM-Shunt 1 Ohm -> 0.68 Ohm (9.9.99 AE)								
D	5.	PWM-Transistoren Q4,8,9,10, D10 getauscht Umax >50V (17.12.99 AE) Q4,8,9 BC 817-25 -> FMMT493 Q10 BC 807-25 -> FMMT593 D10 SB120 -> SR506 (5A/60V)								
E	6.	24V zusätzlich abgesichert. Einstellbare Spannung 8-24V für Tiefenblendenmotoren -> neues Layout: CPU40.BRD. R75 -> 6k8 R102 -> 5k6 R73, R85, R3 -> 3k3 R54 -> 470 -X6 -X10 entgegen Bestückungsdruck einlöten -X3 9polige Sub-D Buchse Layoutfehler: Q12/Pin 2 zum Poti aufkratzen -> Q12/Pin 1 umlöten (22.05.00 AE)								
F	7.	IC8 TIL 193 -> TLP 523-4 CTR=500%								
G	Layout-Datei: hp 0116 2020.006.BRD									
Datei:	PLINHP'2	MOTRON	URO 3000	ZN:	hp 0116 2020	Ausgabestand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pfad:	..\\URO3000\\TECHNIK\\CPU\\HARDWARE		Änderungen		Datum:	17.09.98	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kunde:	Hans Pausch	Steuersysteme GmbH	Stand:	17.08.2000 16:20:40	Blatt:	13/13	Name:	A.Eckstein	<input type="radio"/>	<input type="radio"/>

00-884216-01 A

Projekt: Y-Verteiler MoBu-Bus
File:
Kunde: Pausch
Revision: 00.03
Datum: 28.11.00

Inhaltsverzeichnis

Seite	Bezeichnung
2	Historie

Beschreibung

Der Y-Verteiler ermöglicht den Anschluss von bis zu drei identischen Slaves an einen MoBu-Stecker

Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Herdorf

File: 01162041_0003

Projekt: **REV:**

Datum: 20.06.2001 18:03:42 **Seite:** 1/5

00-884217-01 A

Revisionen

Rev.	Datum	Gez.	Änderungen
00.02	28.11.00	OC	Optokoppler getauscht in HCPL0501
00.03	20.6.01	MB	<ul style="list-style-type: none"> - Optokoppler wieder HCPL0701, dabei Beschaltung verändert -Widerstände an Pins 7 ergänzt- aber NUR an den Eingängen, also den Data-ins - Quarz 18MHz - neuer tplace für die Dioden - C12/100µF wird bestückt - Spannungsregler IC1: Pins1 und 3 getauscht

Project and Copyright

Date



BS

LS

Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Herdorf

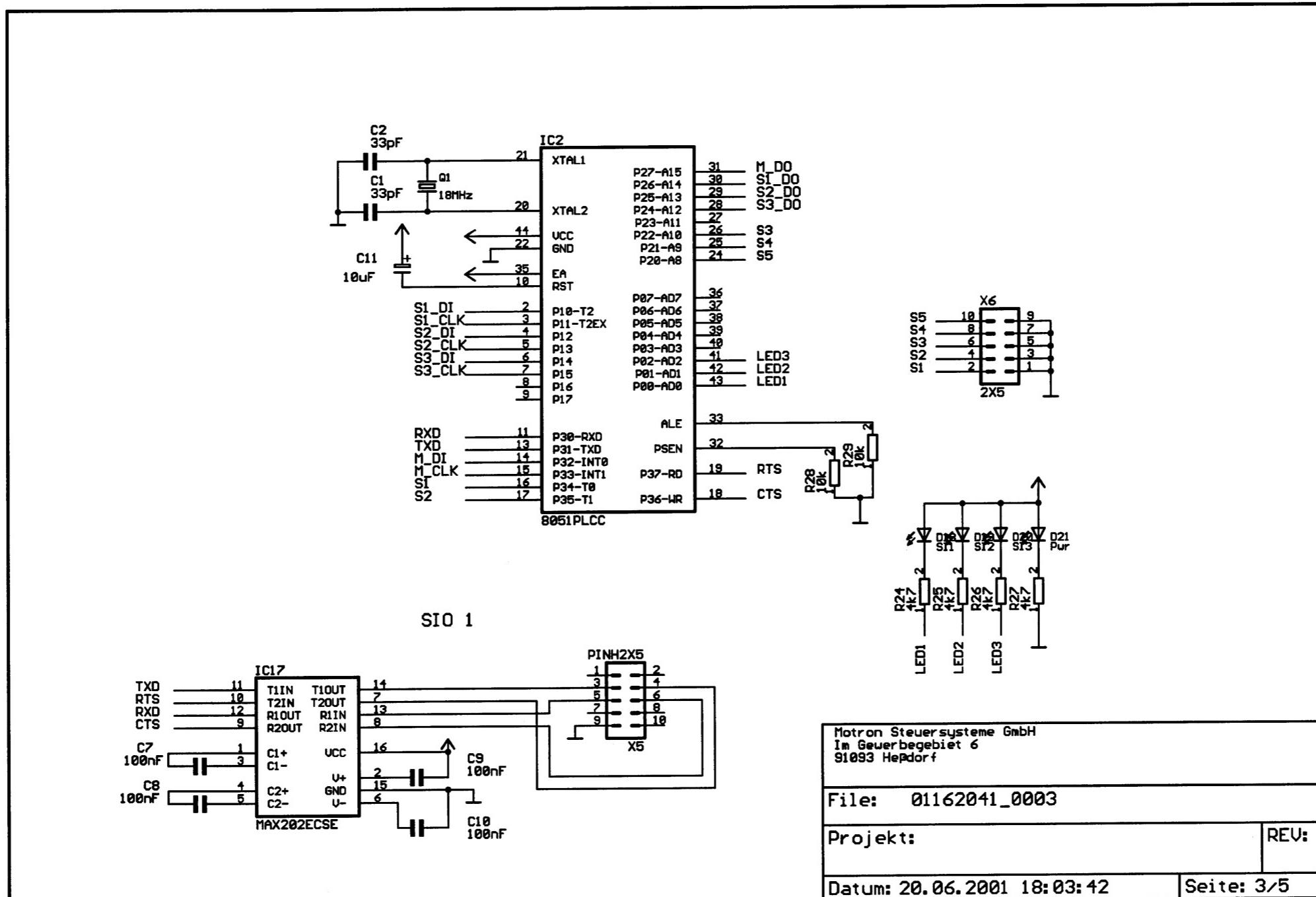
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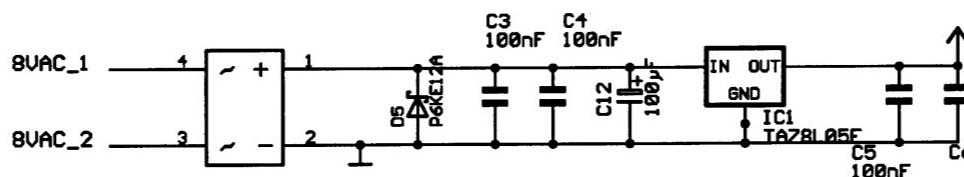
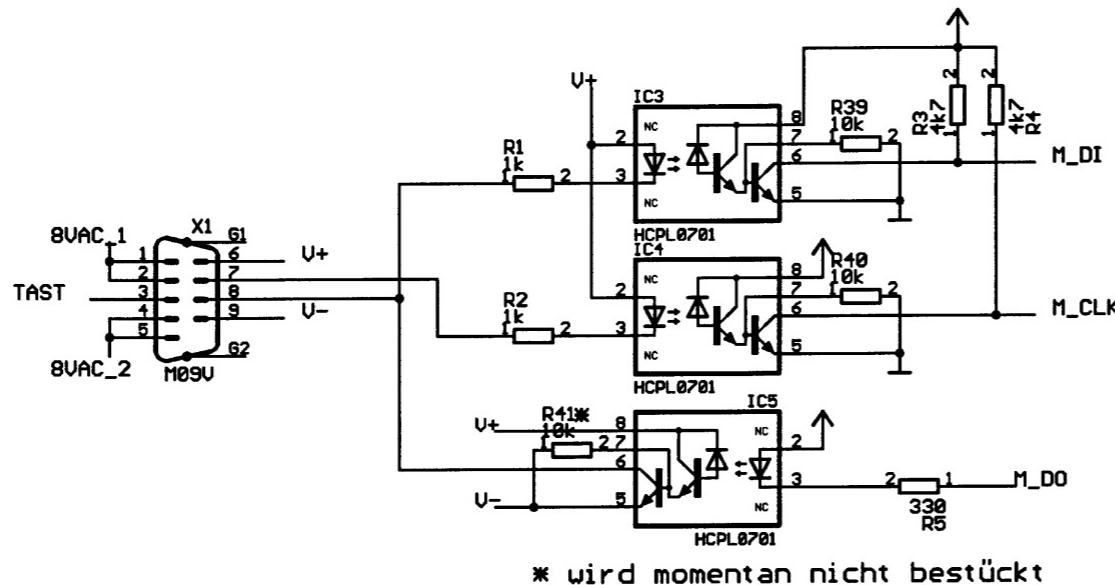
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00-884217-01 A



00-884217-01 A



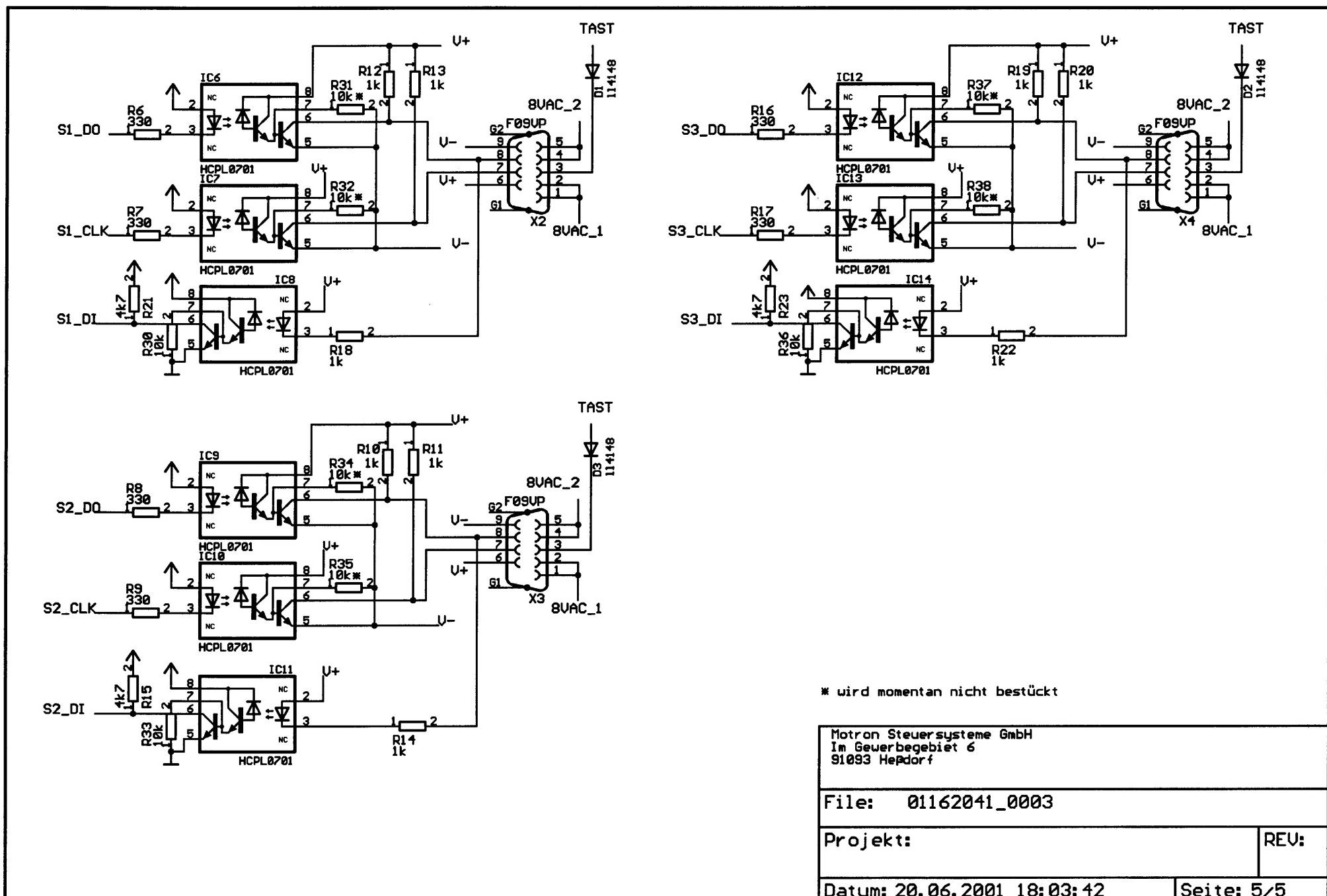
Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Herdorf

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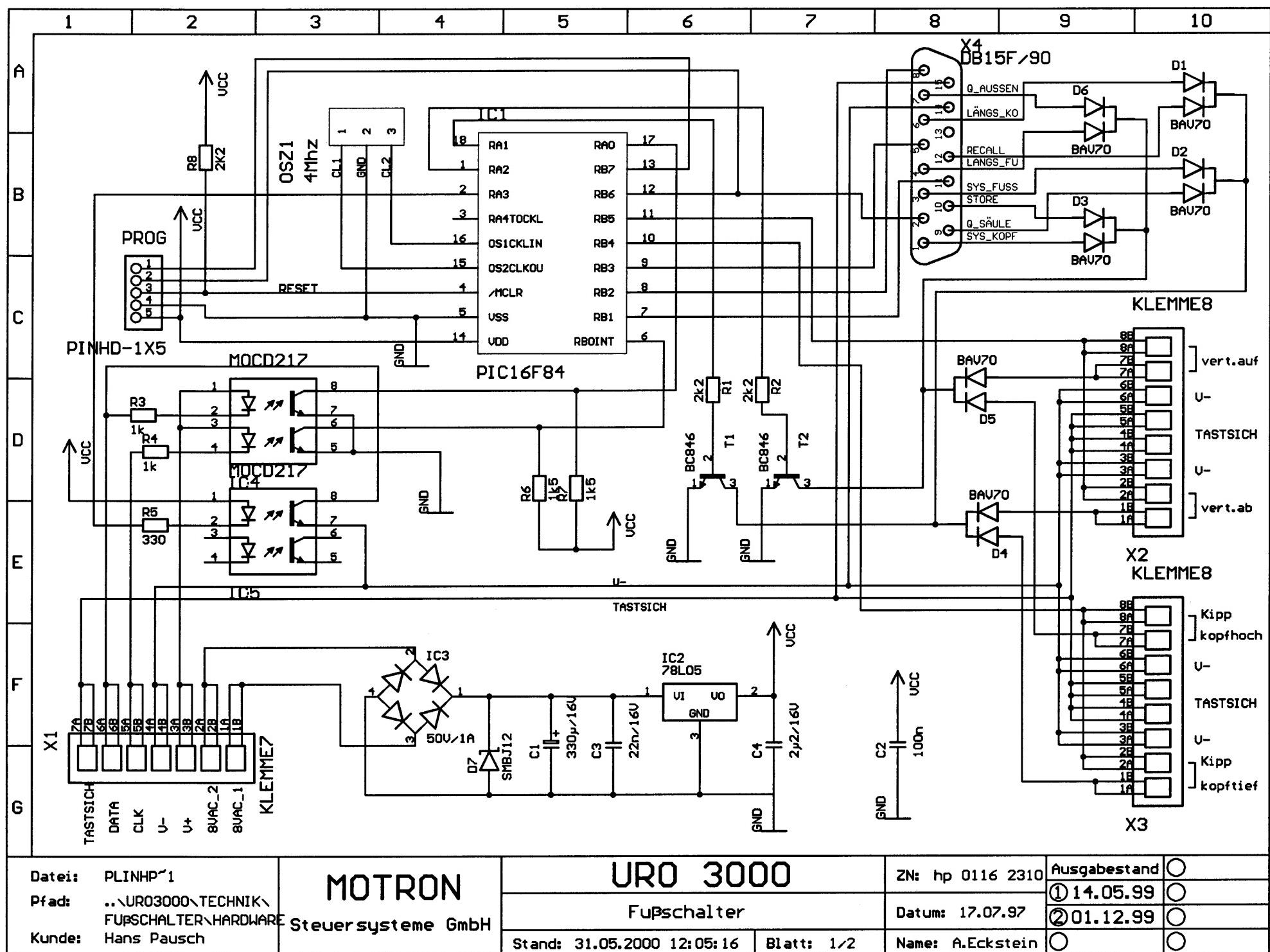
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Datum: 20.06.2001 18:03:42	Seite: 4/5
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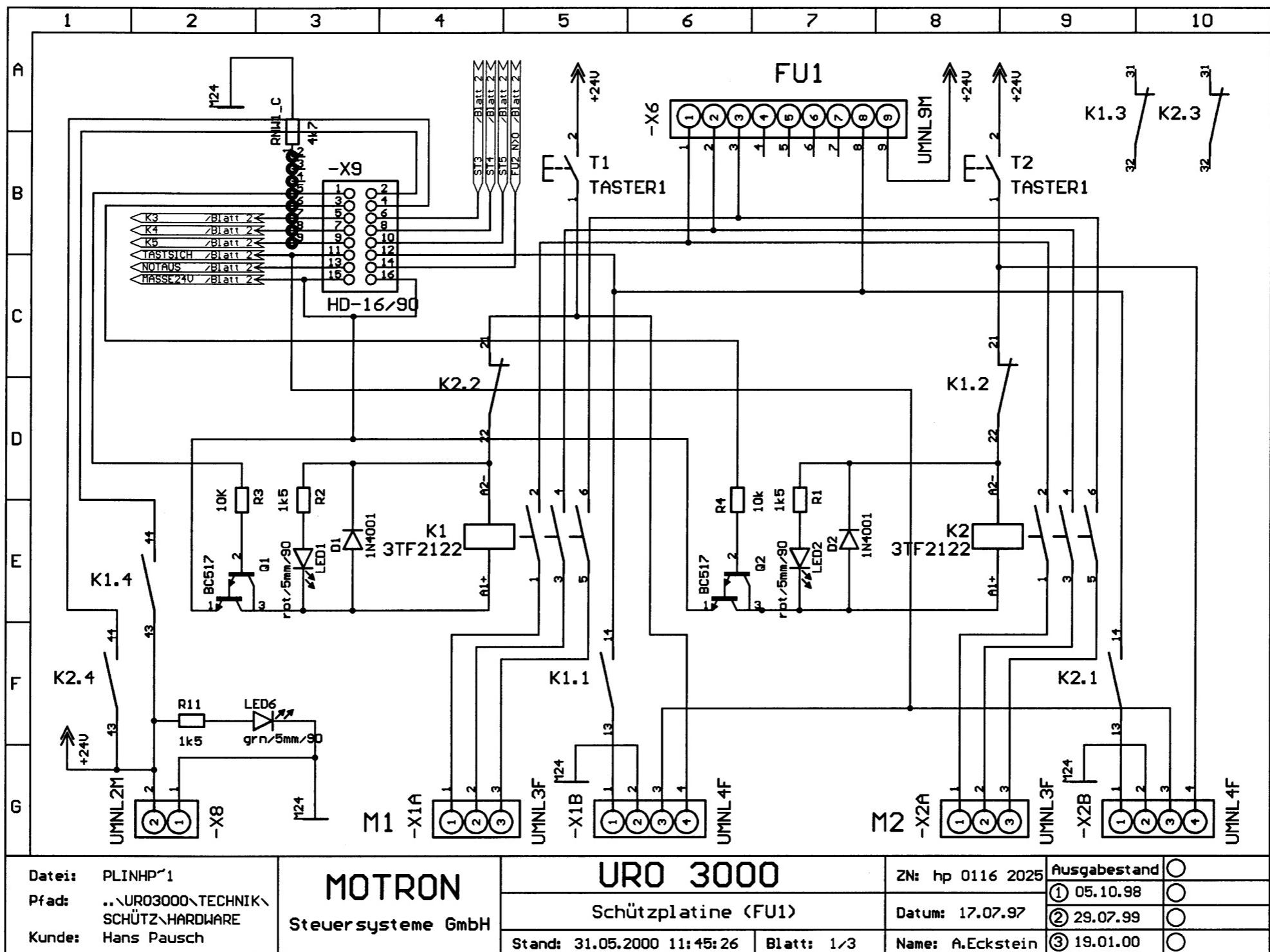
00-884217-01 A



00-884218-01 A

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A	1. Busanschluß 7-polig. Tastensicherungssignal direkt auf U- Programmierschnittstelle 5-polig. IC1 16C84 -> 16F84 (14.5.99 AE) 2. Neues Layout. Stecker X1 7-polig (1.12.99 AE)									
B										
C										
D										
E										
F										
G	Layoutdatei: PLIN.hp 0116 2310.002.BRD									
Datei:	PLINHP'1	MOTRON	URO 3000	ZN:	hp 0116 2310	Ausgabestand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pfad:	..\UR03000\TECHNIK\ FUPSCHALTER\HARDWARE		Änderungsstand	Datum:	17.07.97	<input type="radio"/>				
Kunde:	Hans Pausch	Steuersysteme GmbH	Stand:	31.05.2000 12:05:16	Blatt:	2/2	Name:	A.Eckstein	<input type="radio"/>	<input type="radio"/>

00-884218-01 A



Datei: PLINHP'1
Pfad: ..\URO3000\TECHNIK\
SCHÜTZ\HARDWARE
Kunde: Hans Pausch

MOTRON
Steuersysteme GmbH

URO 3000

Schützplatine (FU1)

Stand: 31.05.2000 11:45:26

ZN: hp 0116 2025

Datum: 17.07.97

Blatt: 1/3

Name: A.Eckstein

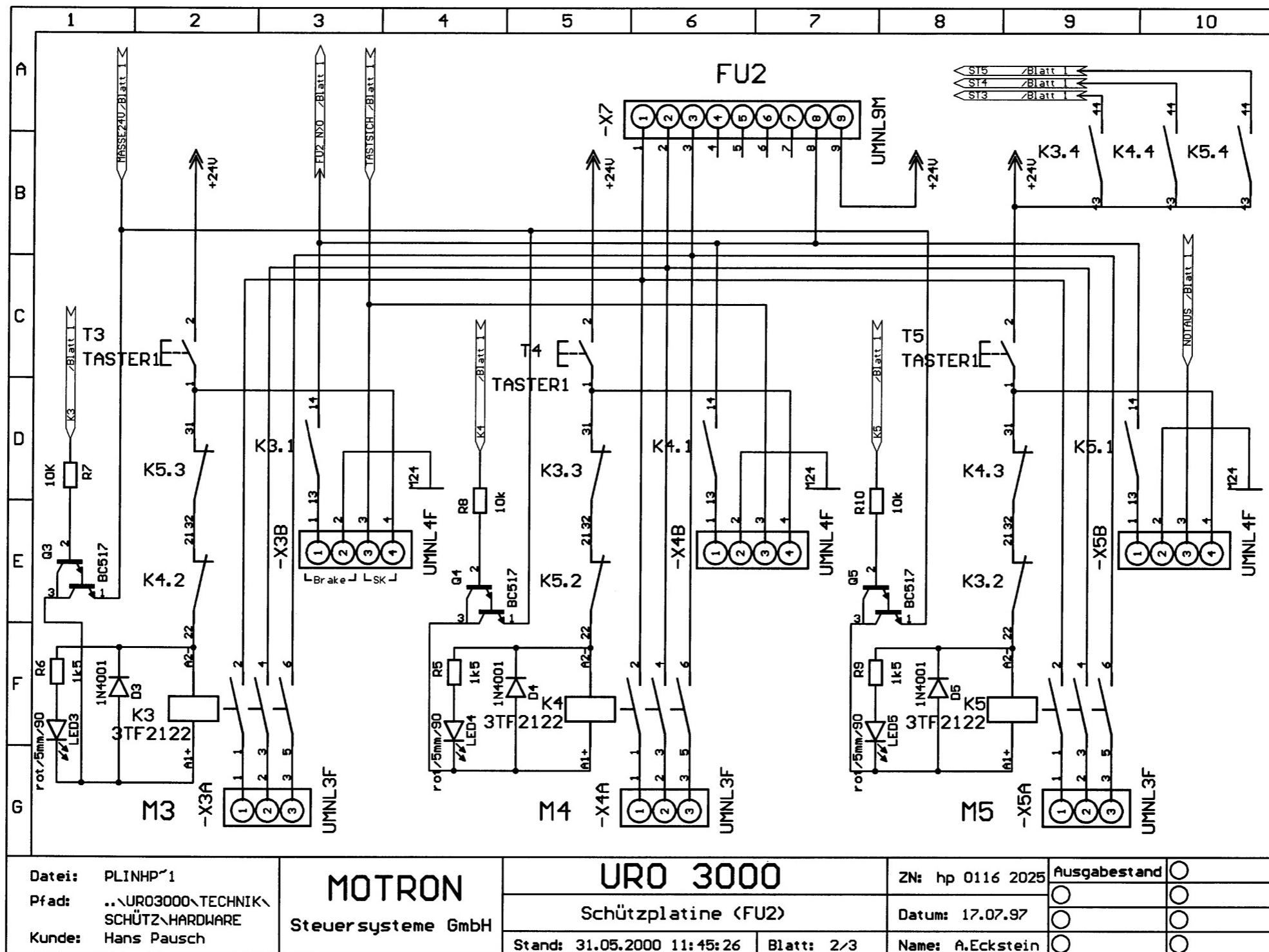
Ausgabestand

(1) 05.10.98

(2) 29.07.99

(3) 19.01.00

00-884Z19-01 A



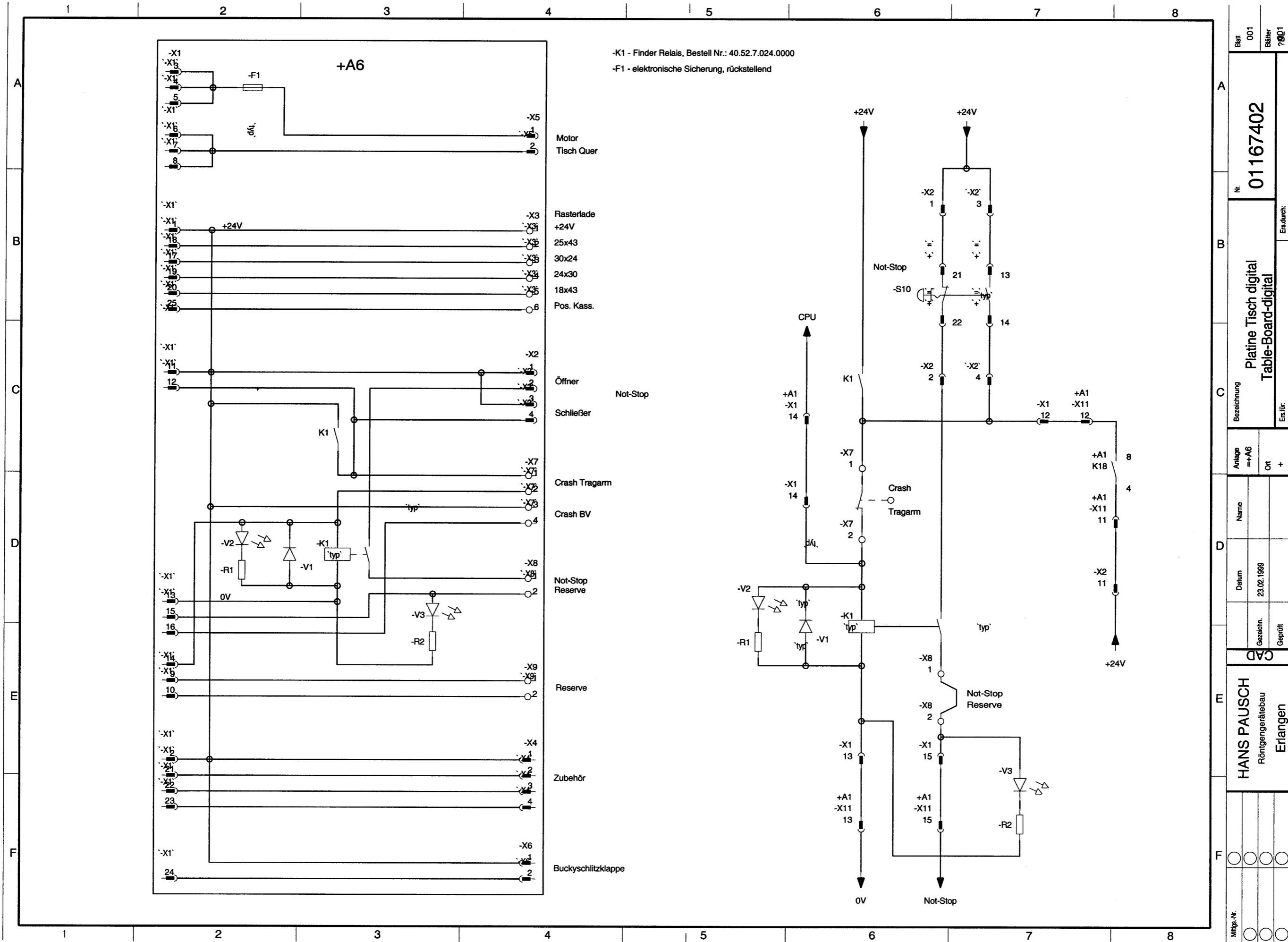
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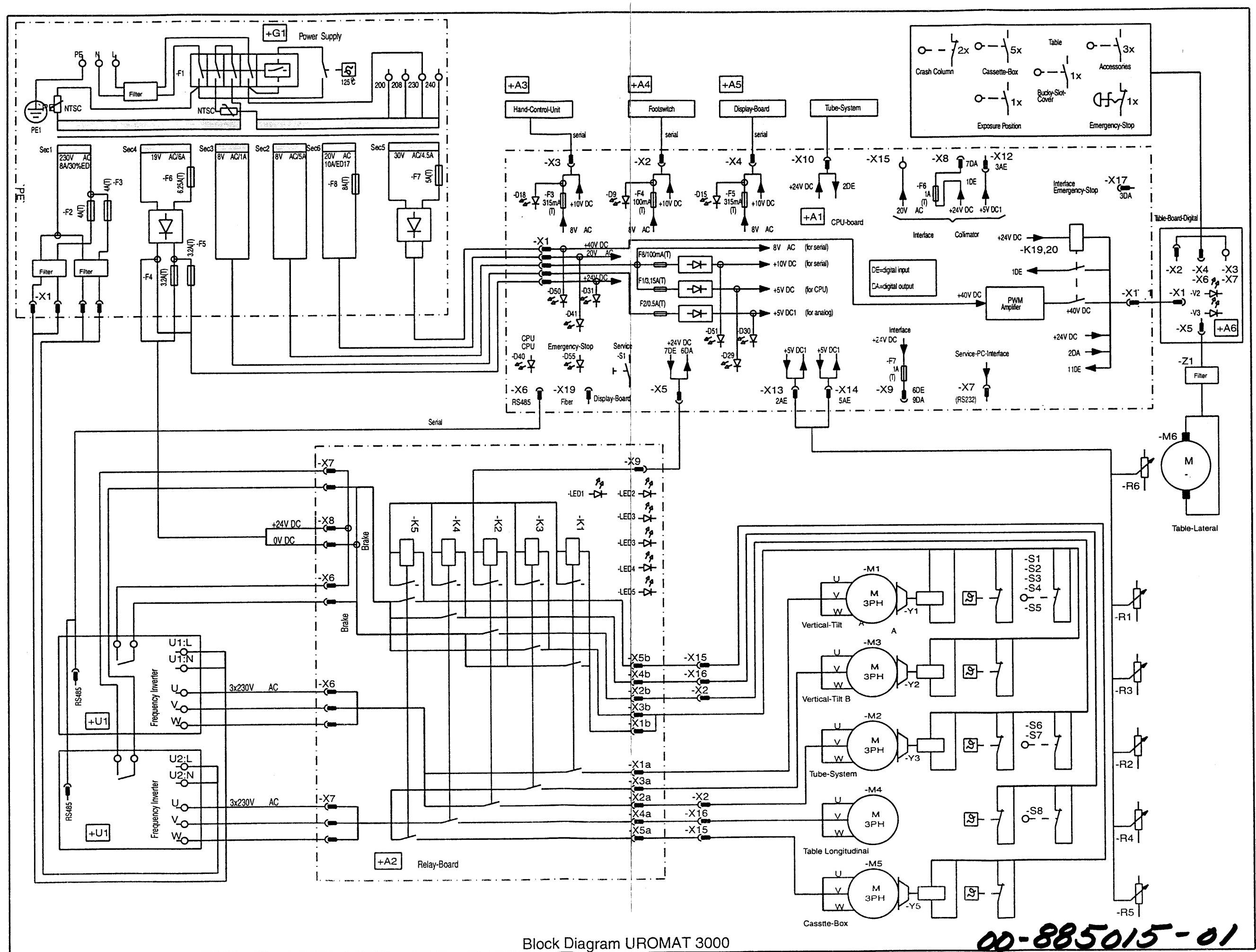
	1	2	3	4	5	6	7	8	9	10
A	1. Notaus schaltet 24V (früher Masse). Transistor enfällt. (5.10.99 AE) 2. Kassettenantrieb M5 nur im Notauskreis nicht wie M1-M4 im Tastensicherungskreis. Änderung an der Steckerbelegung -X9 Pin 13. Früher Tastsich jetzt Notaus für M5. (29.7.99 AE) 3. Luft- Kriechstrecken korrigiert. Bestückungsdruck AMP-Stecker korrigiert. (19.01.00 MB)									
B										
C										
D										
E										
F										
G	Layout-Datei: PLIN.hp 0116 2025.003.BRD									

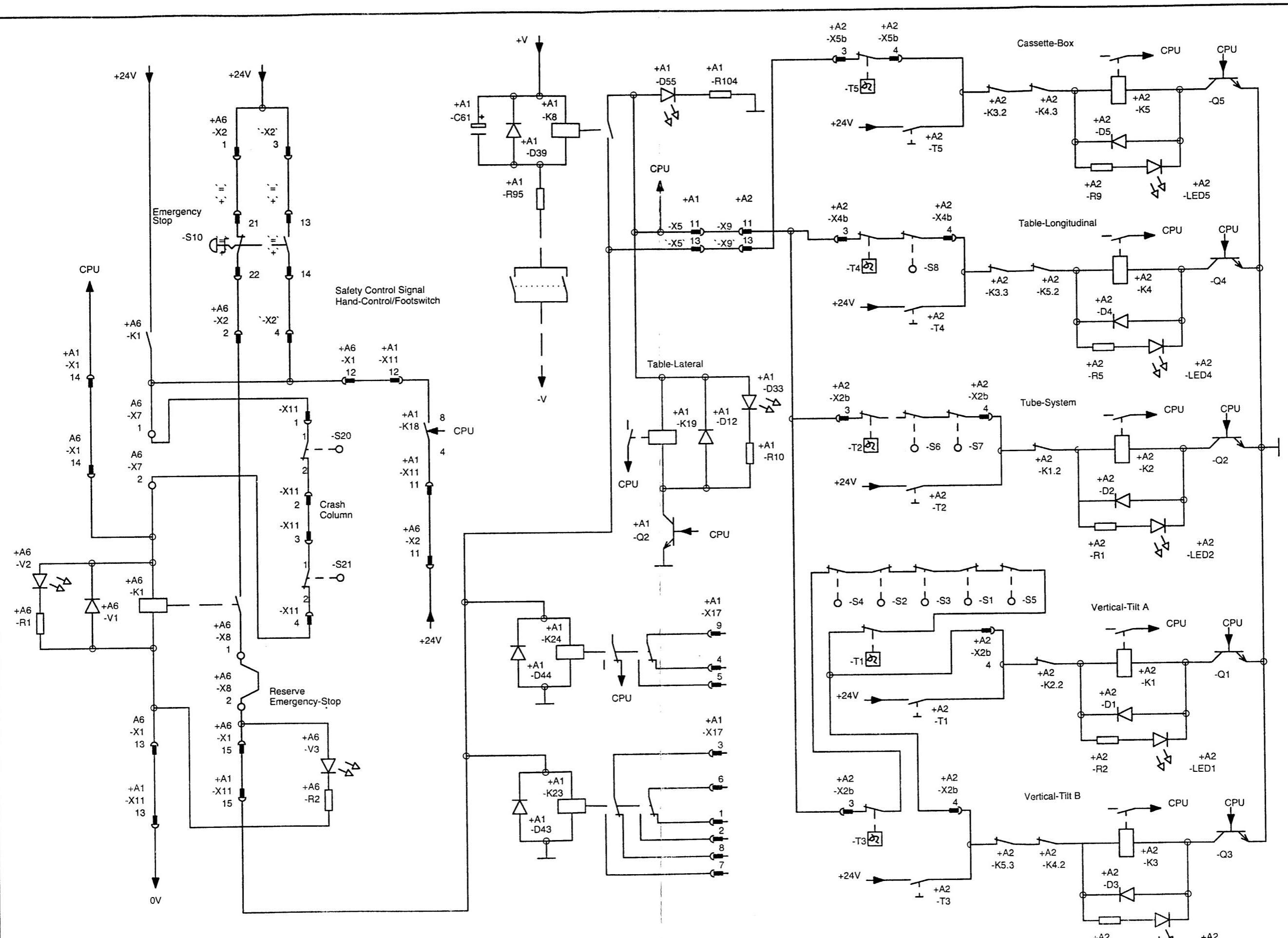
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Pfad:	..\UR03000\TECHNIK\ SCHÜTZ\HARDWARE		Änderungsstand	Datum: 17.07.97	<input type="radio"/>	<input type="radio"/>
Kunde:	Hans Pausch		Stand: 31.05.2000 11:45:26	Blatt: 3/3	Name: A.Eckstein	<input type="radio"/>
						<input type="radio"/>

00-884219-01 A

Weitergabe sowie Vervielfältigung dieser Unterlage, Verwendung und Weiterleitung ihres Inhaltes nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlung verpflichtet zu Schadensersatz. Alle Rechte für den Fall der Patenterteilung oder Gebrauchsmuster-Eingabe vorbehalten.

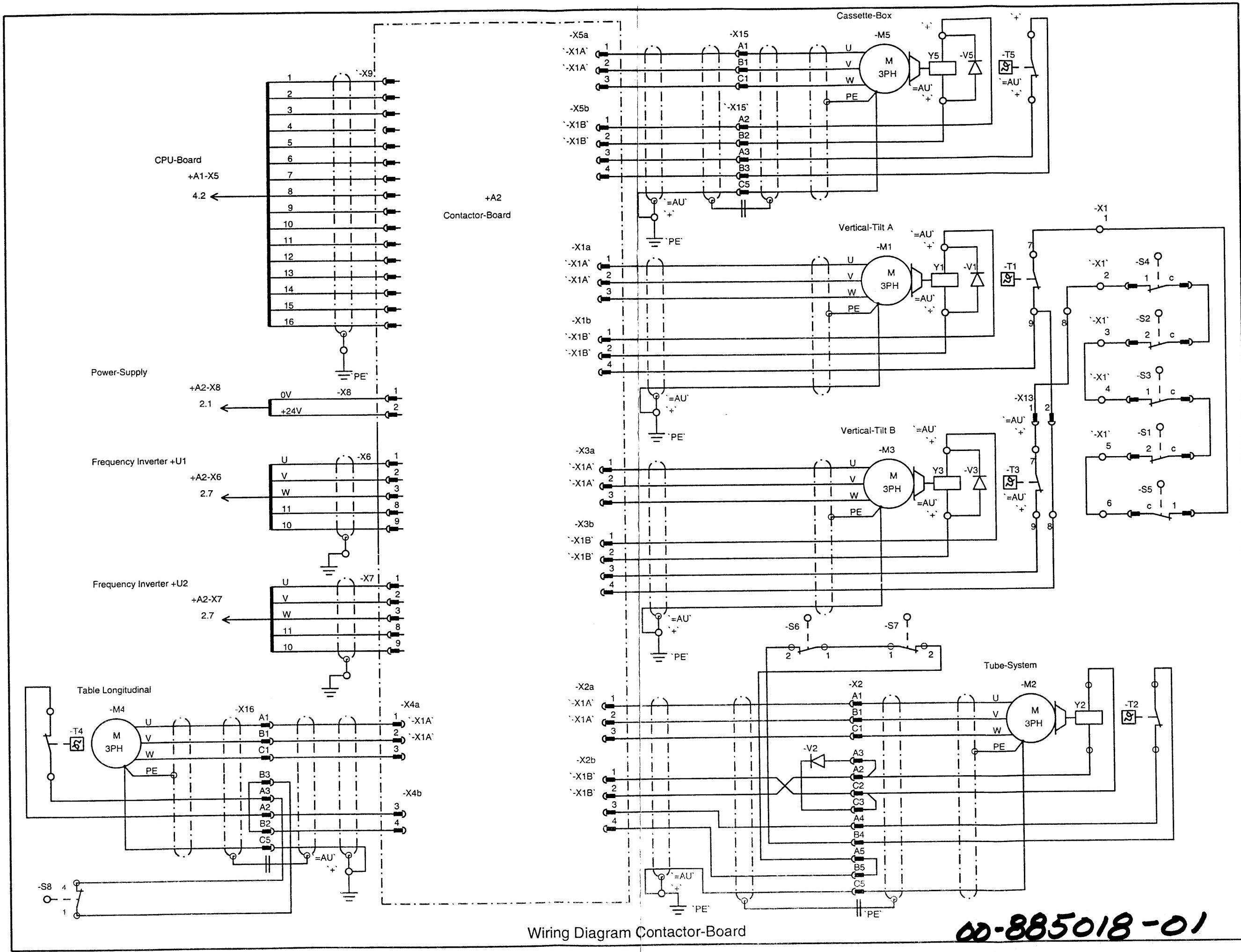






Circuit Diagram Emergency-Stop

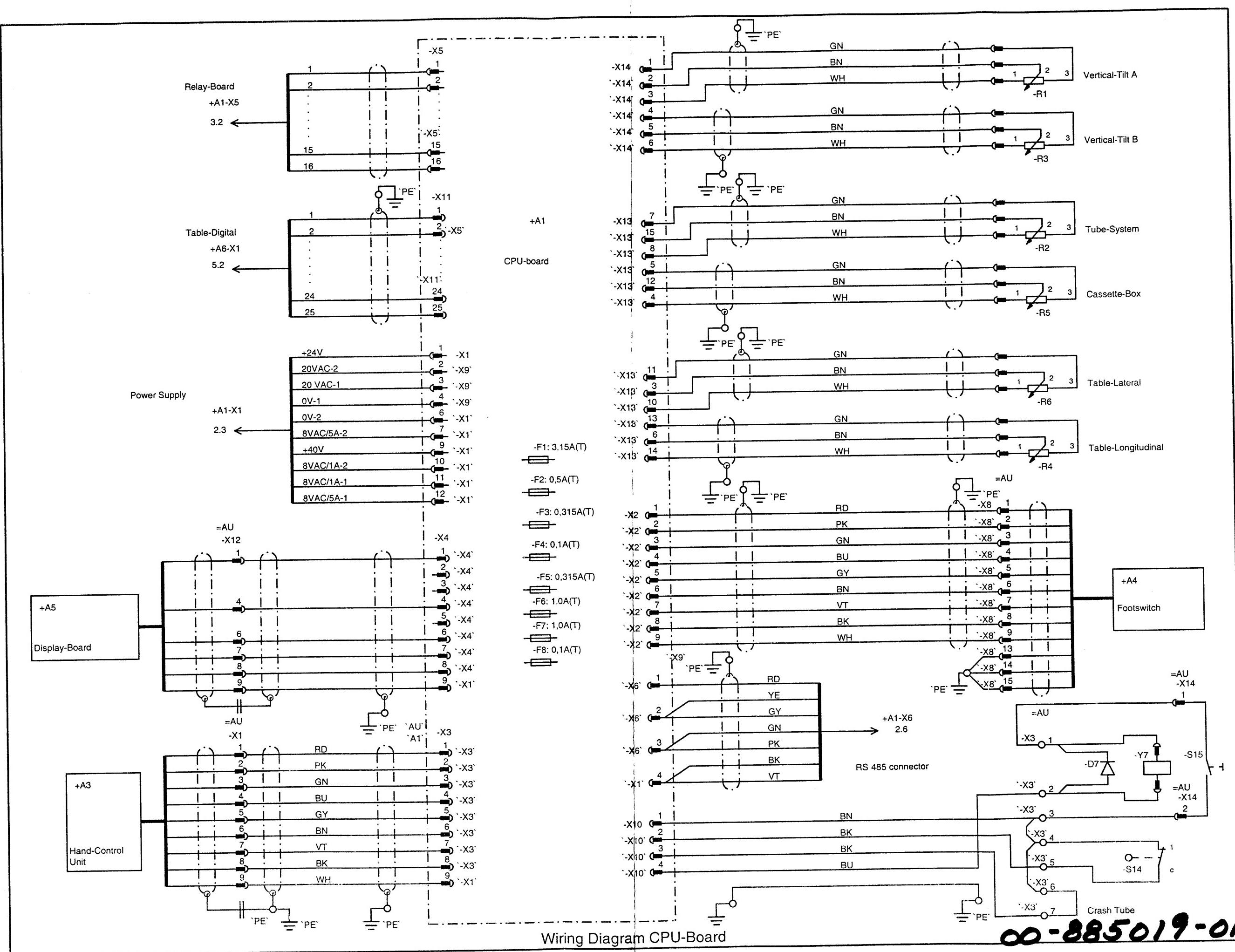
-R6 -LED3
00-885016-01 A



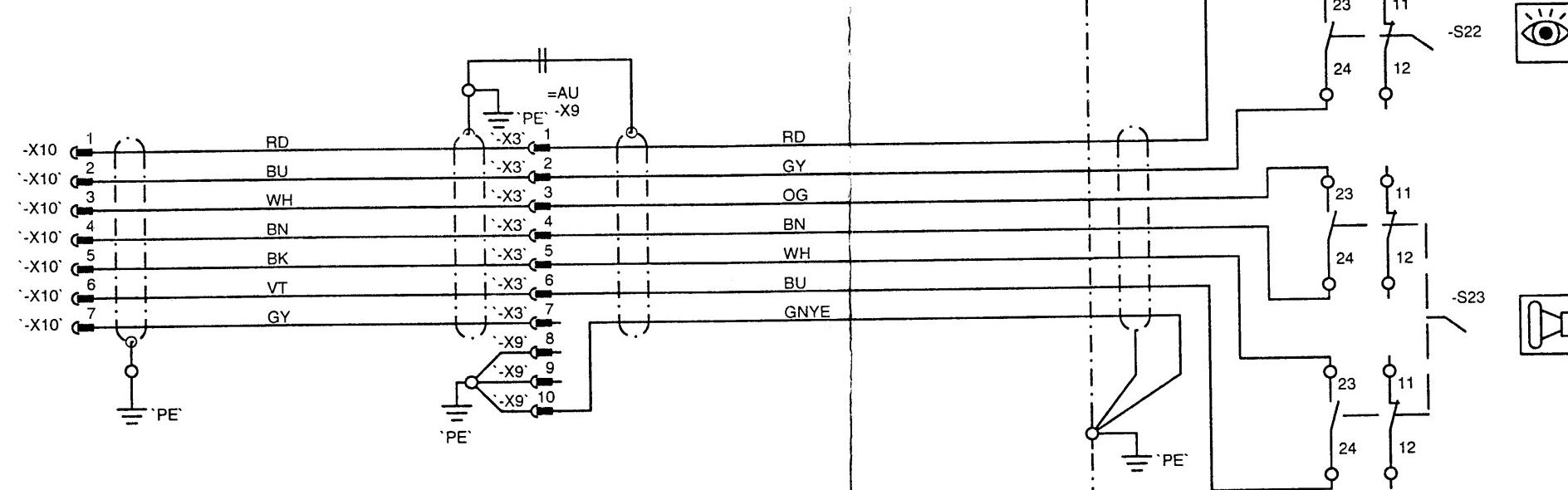
Wiring Diagram Contactor-Board

00-885018-01

A



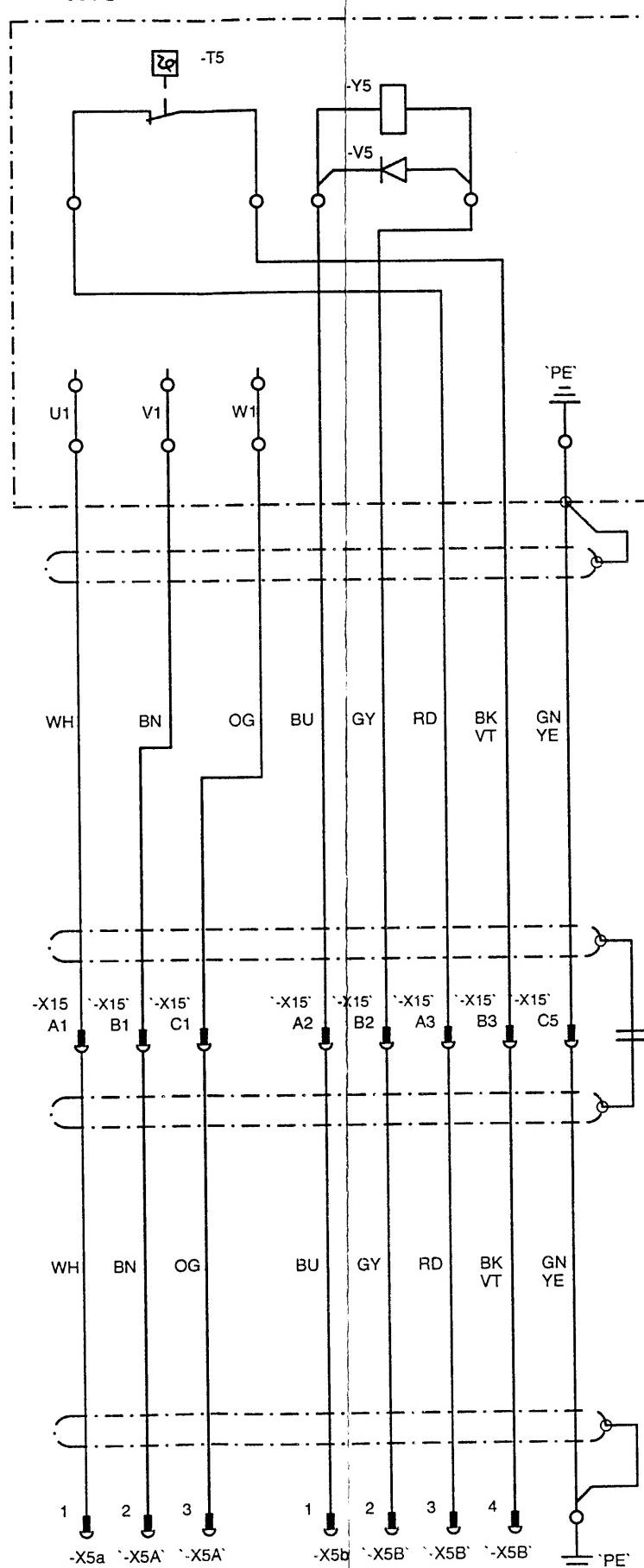
Wiring Diagram CPU-Board



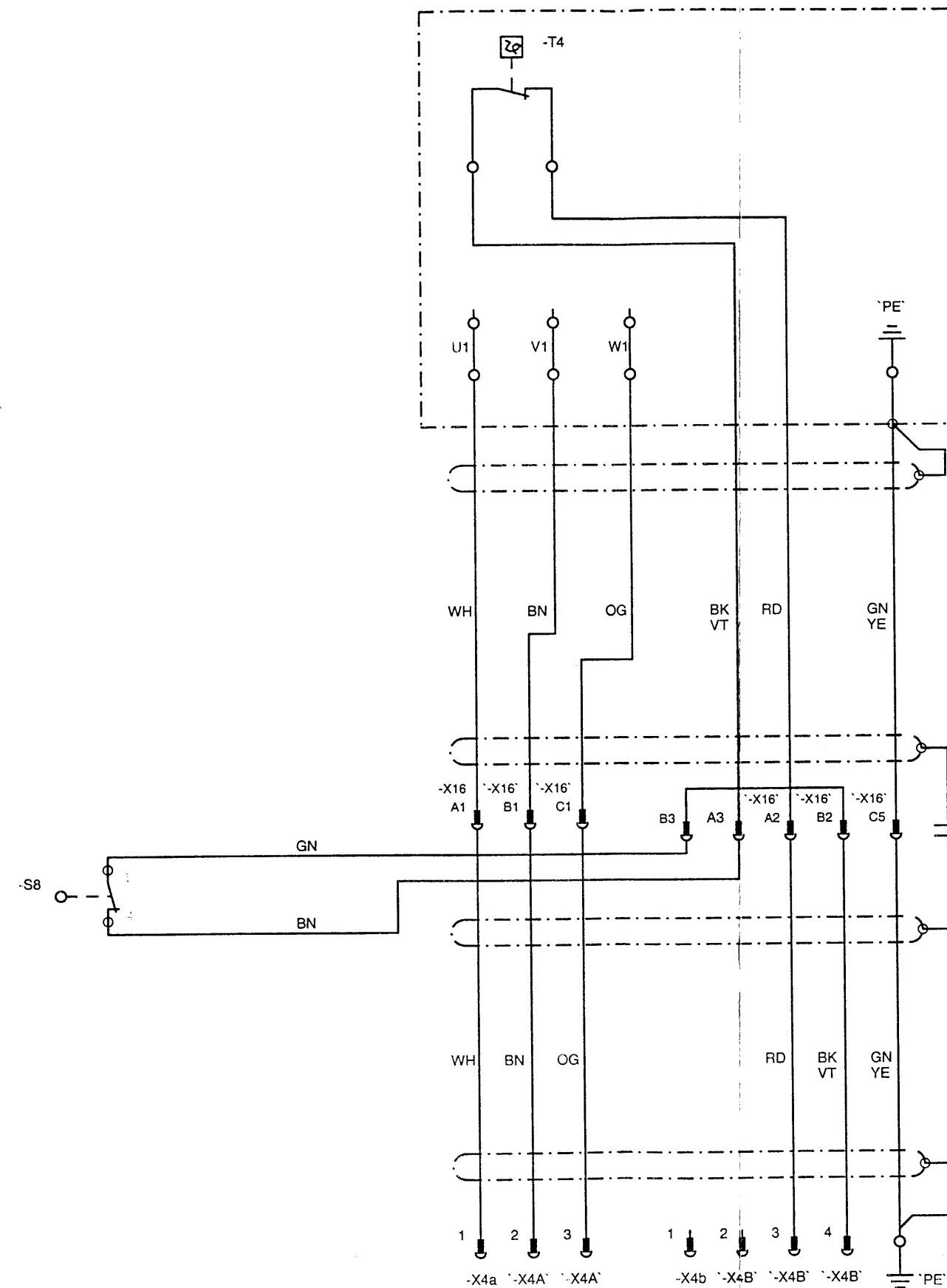
Wiring Diagram Fluoroscopy

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-M5



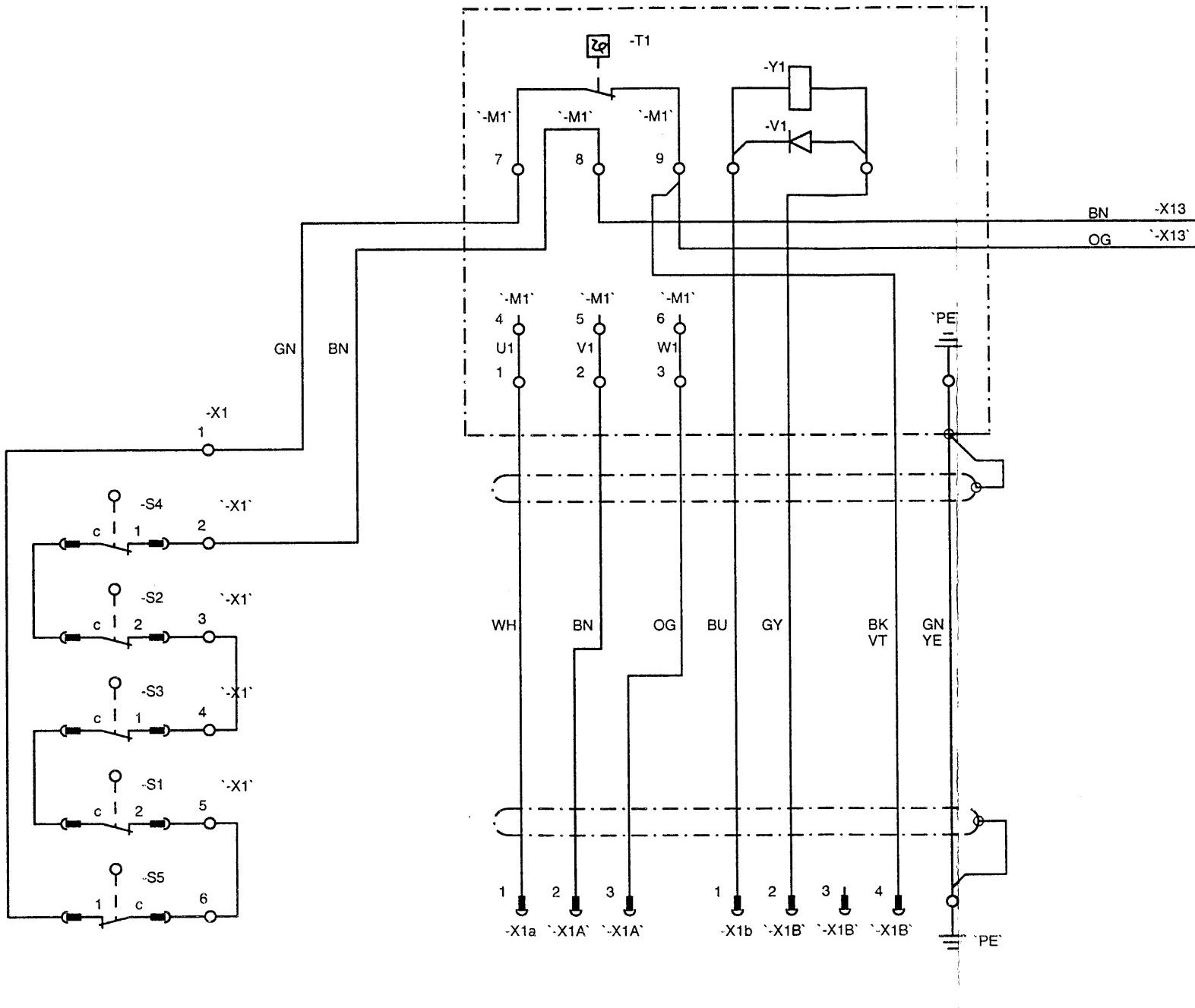
-M4



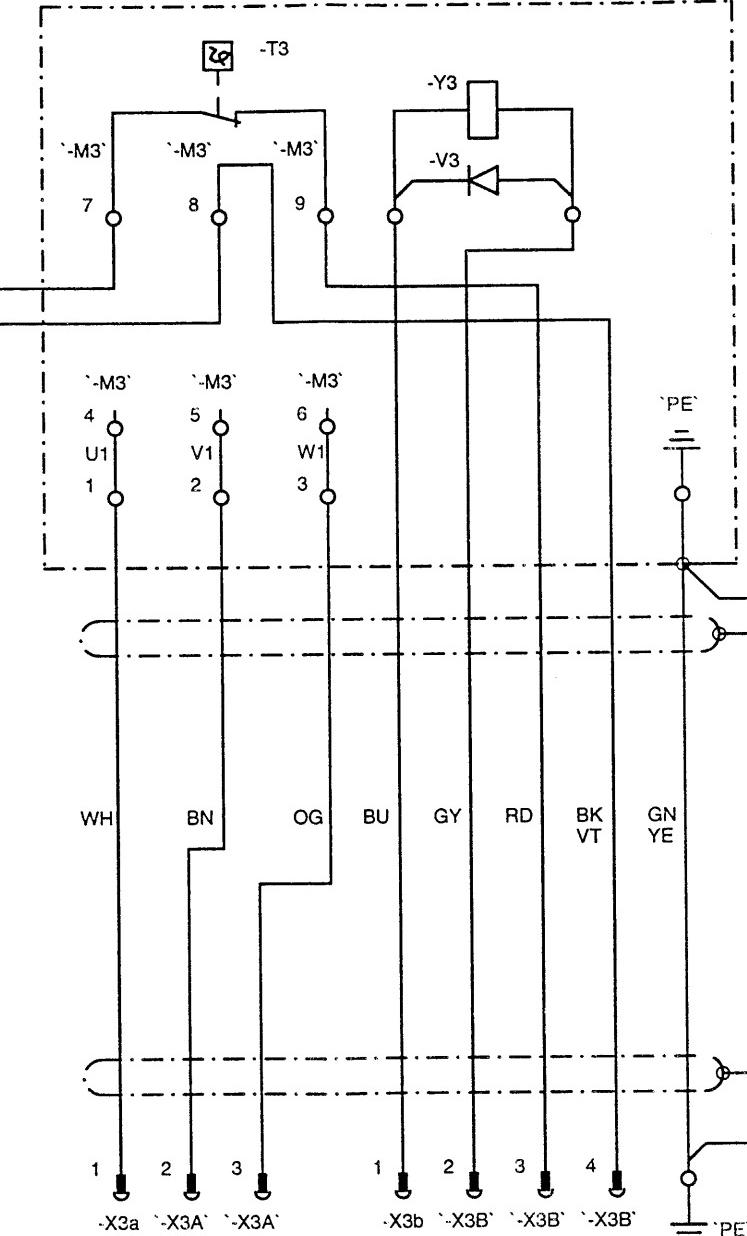
Wiring Diagram Motor Table Longitudinal

00-885022-01 A

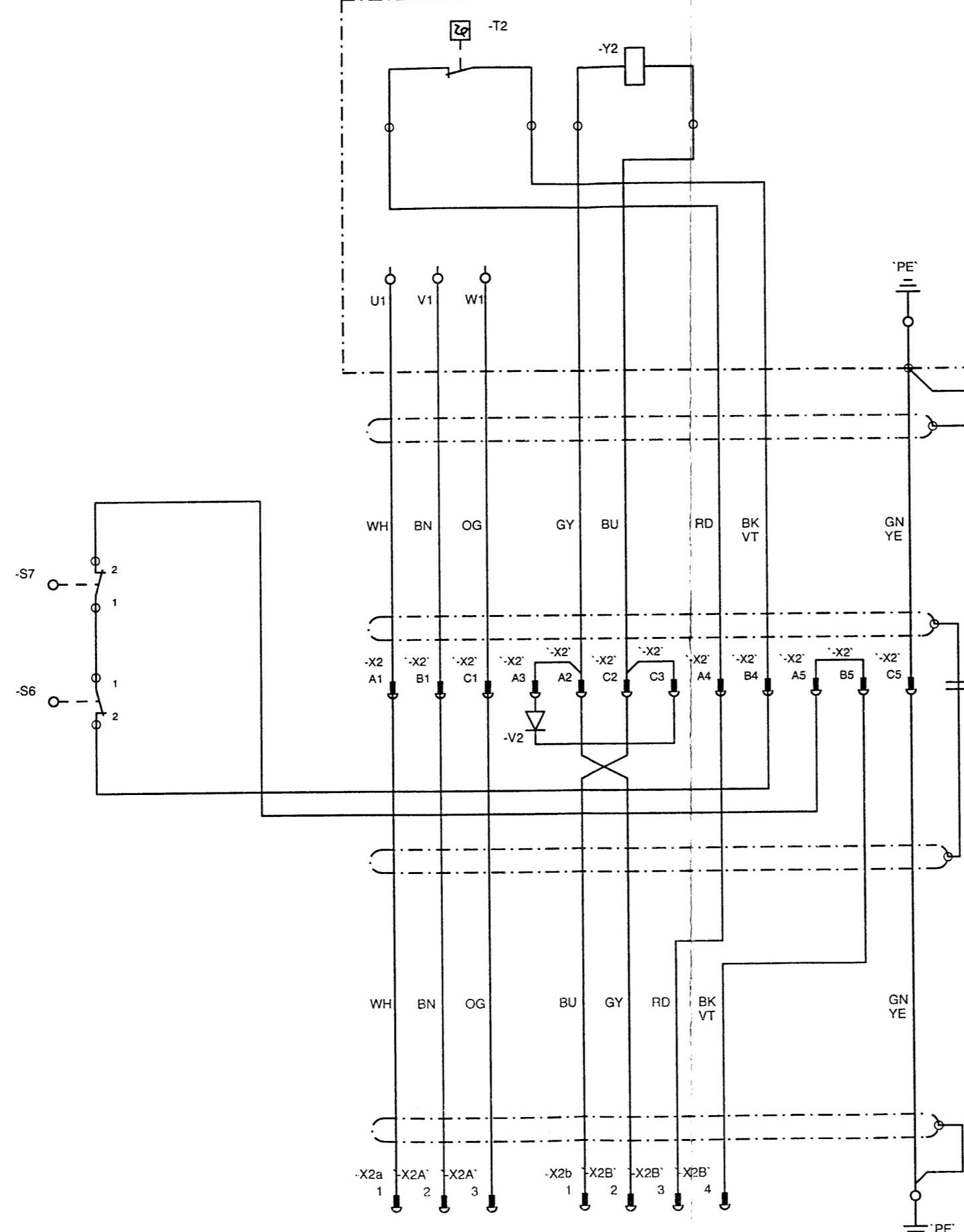
-M1



-M3

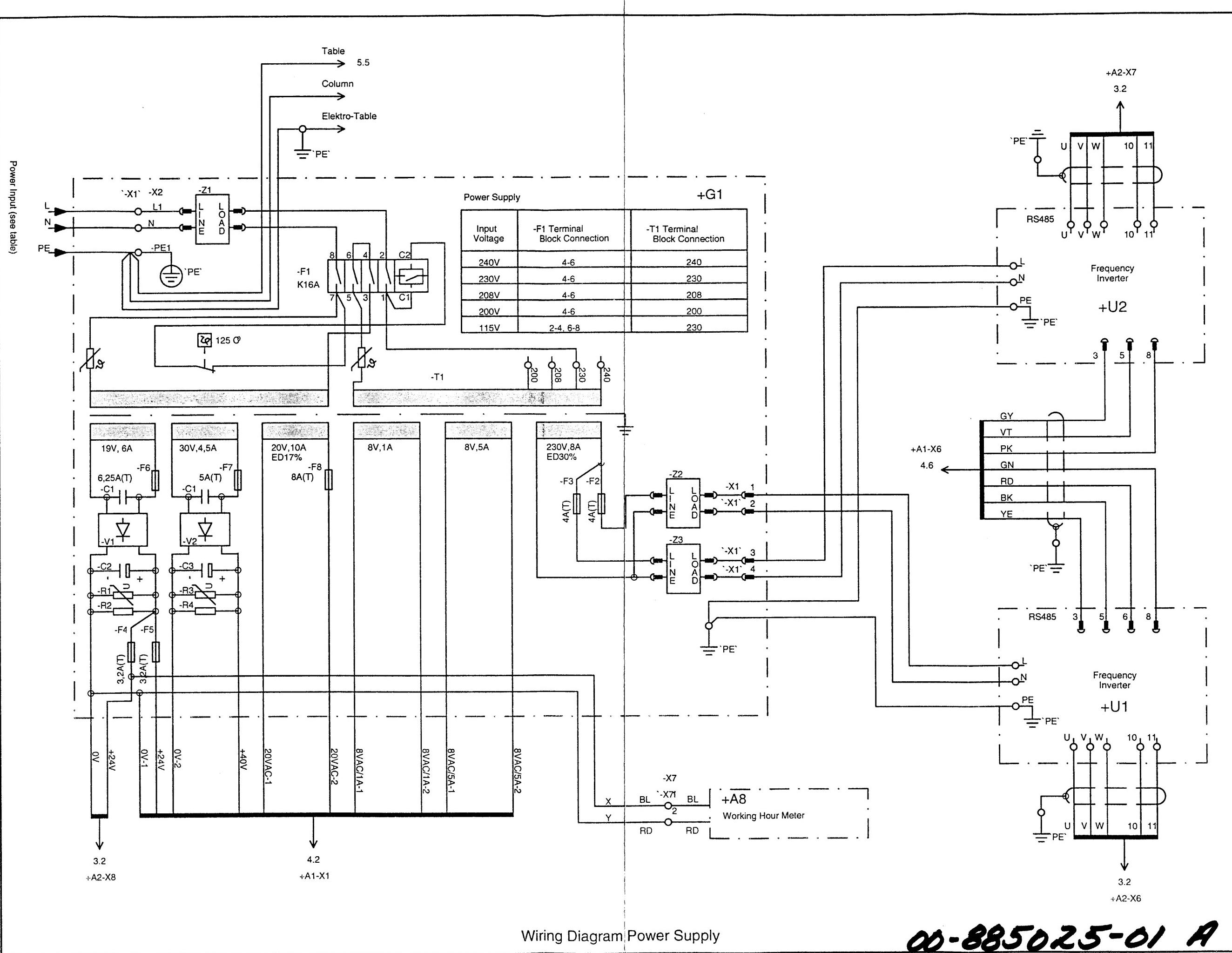


-M2



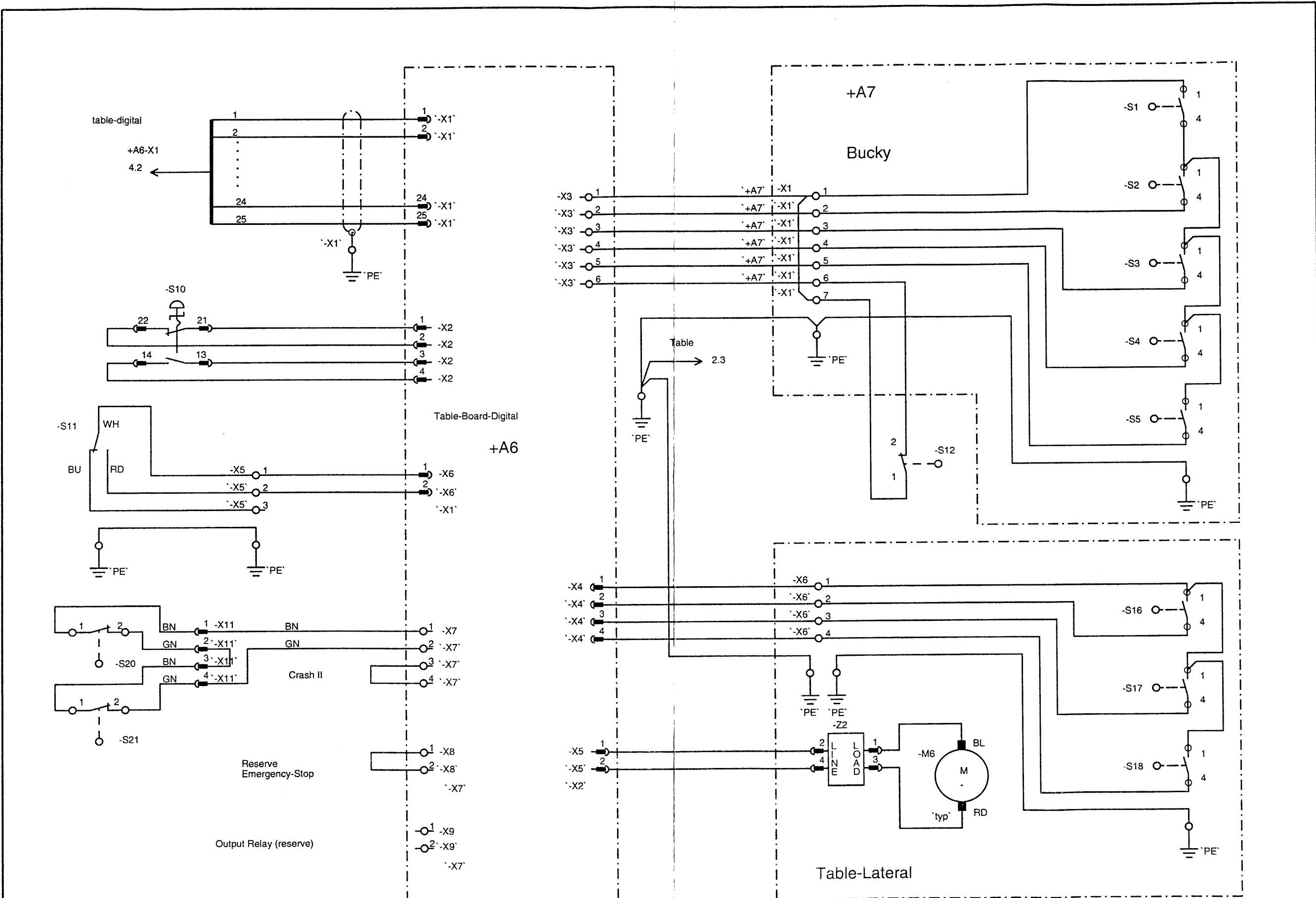
Wiring Diagram Motor Tube-System

00-885024-01 A



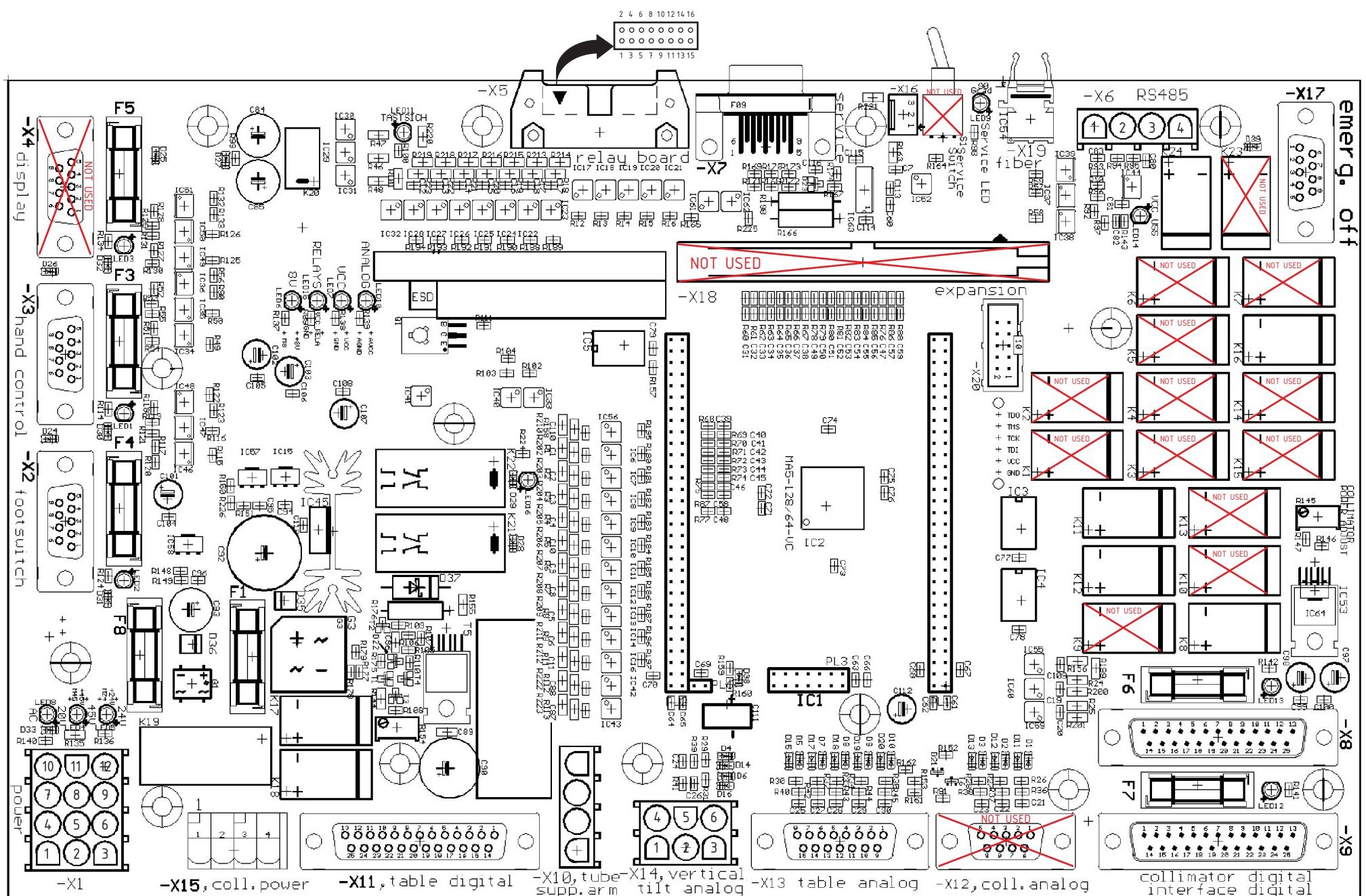
Wiring Diagram Power Supply

00-885025-01 A



Wiring Diagram Table

00-885026-01 A



LED 1	8VAC	Hand
LED 2	8VAC	Foot
LED 3	8VAC	Display
LED 4	+45V	
LED 5	+24V	
LED 6	+8VAC	
LED 7	VCC	
LED 8	20VAC	

LED 9	Processor Status
LED 10	A VCC
LED 11	Security Signal Active
LED 12	+24V
LED 13	+24V to Drive Collimator Leaves
LED 14	VCC USS
LED 15	VCC Relay
LED 16	M6 Lateral

Projekt: CPU-Platine 0116 2020
File: 2020_100
Kunde: Pausch
Revision: 1.00
Datum: 15.10.01

Beschreibung

CPU-Platine fuer UROMAT 3000

Anzahl der Lagen	:	4
Lötkontakt Bestückseite	:	ja
Lötkontakt Lötsseite	:	ja
Material	:	FR4 1,6
Bestückungsdruck	:	ja
UL Zulassung	:	ja
Elektrisch geprüft	:	ja
Kupfer-Stärke	:	35u
Kleinste Leiterbahnbreite ..	:	200u
Kleinster Bohrdurchmesser ..	:	400u

Inhaltsverzeichnis

Seite	Bezeichnung
2	Revision
3	Messpunkte
4	plug in module CPU
5	CPLD
6	Transistor Amplifier for Relays
7	Collimator Relays
8	Memory/Zoom/Exposure Relays
9	Interface Table Top
10	Interface Relay Board
11	Emergency Stop
12	Analog Inputs
13	Slave-Interface
14	Service-Interface
15	RS485-Interface/Fiberoptic
16	Lateral Motion
17	Expansion Interface
18	Termination
19	Power supply
20	Interface Assembly

Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Heßdorf

File: hp0116_2020_101

Projekt:

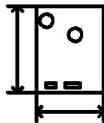
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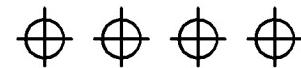
Seite: 1/21

Revisionen

Rev.	Datum	Gez.	Änderungen



Bohrplan:
dimensions + measures
Stecker:
dimensions + bottomplace



Project

BS
LS

Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Heßdorf

File: hp0116_2020_101

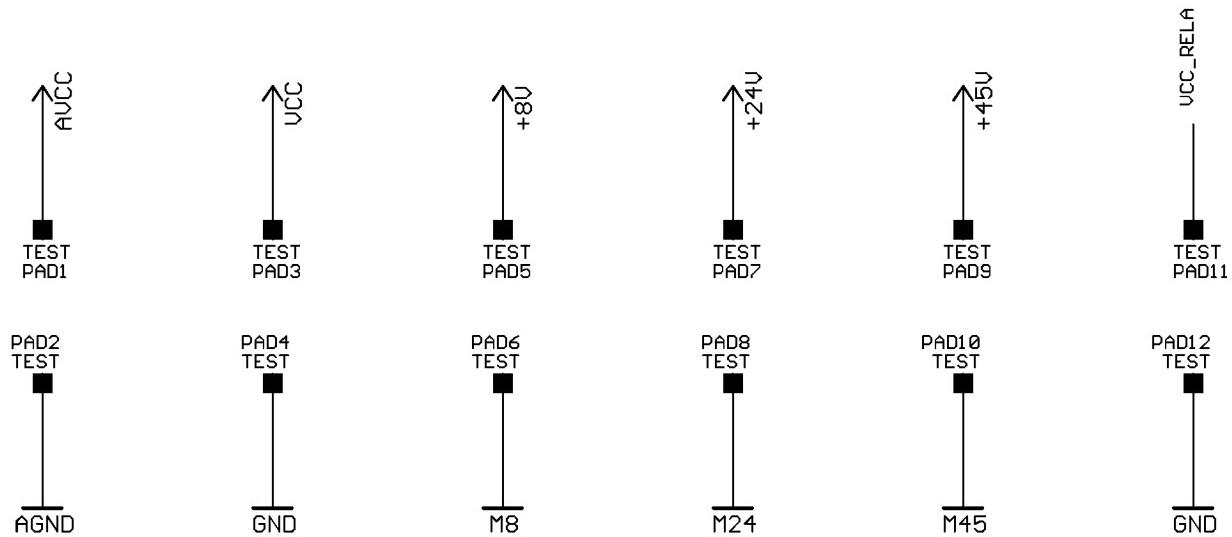
Projekt:

REV:

Datum: 08.08.2002 07:45:46

Seite: 2/21

Test points



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Im Gewerbegebiet 6
91093 Heßdorf

File: hp0116_2020_101

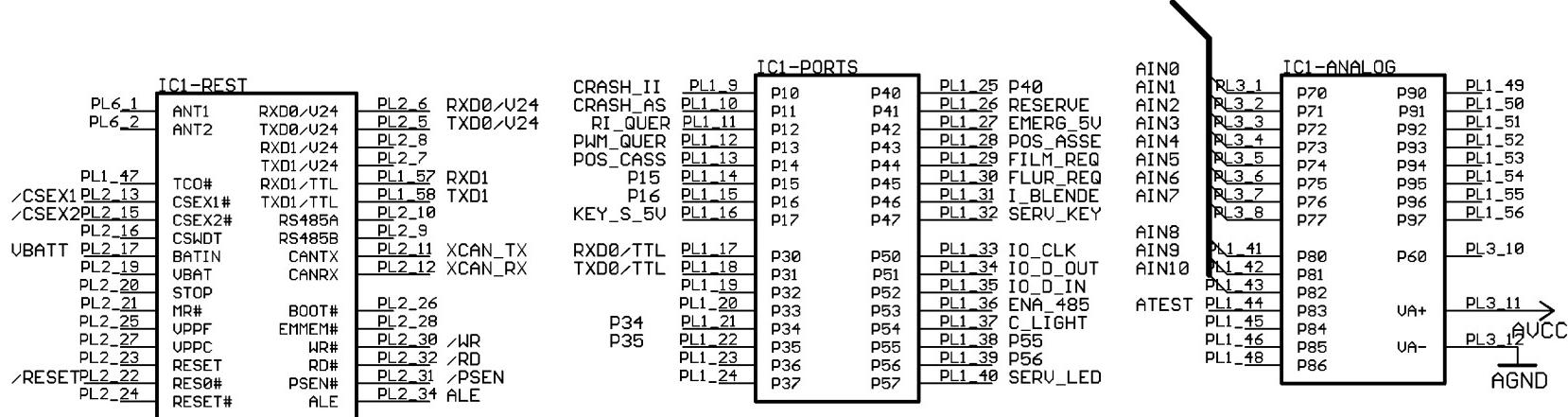
Projekt:

REV:

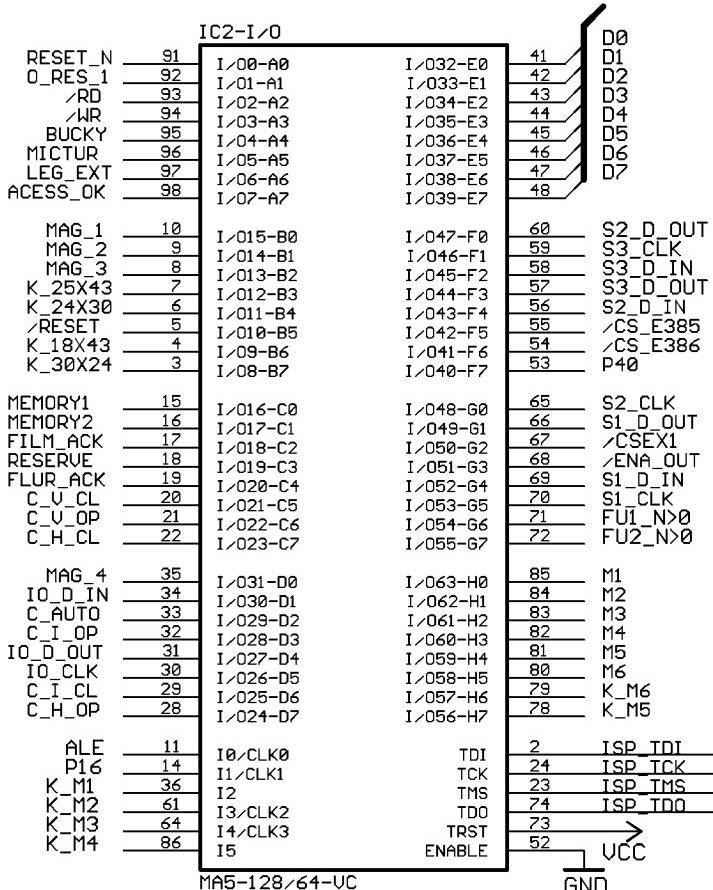
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Seite: 3/21

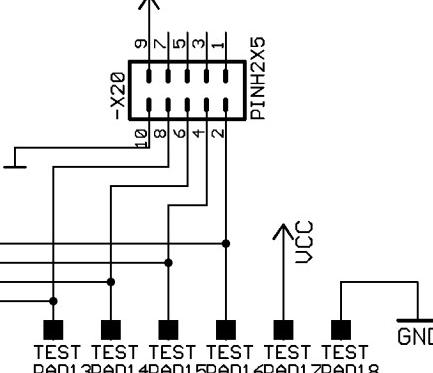
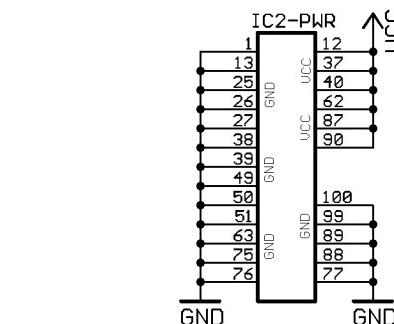
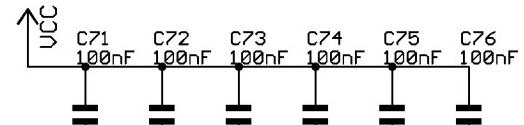
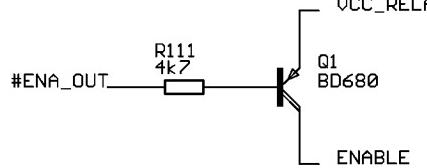
plug in module CPU



CPLD



enable power supply for all outputs



Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Heßdorf

File: hp0116_2020_101

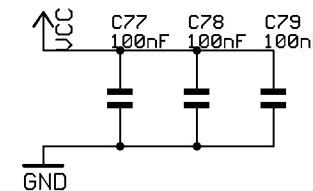
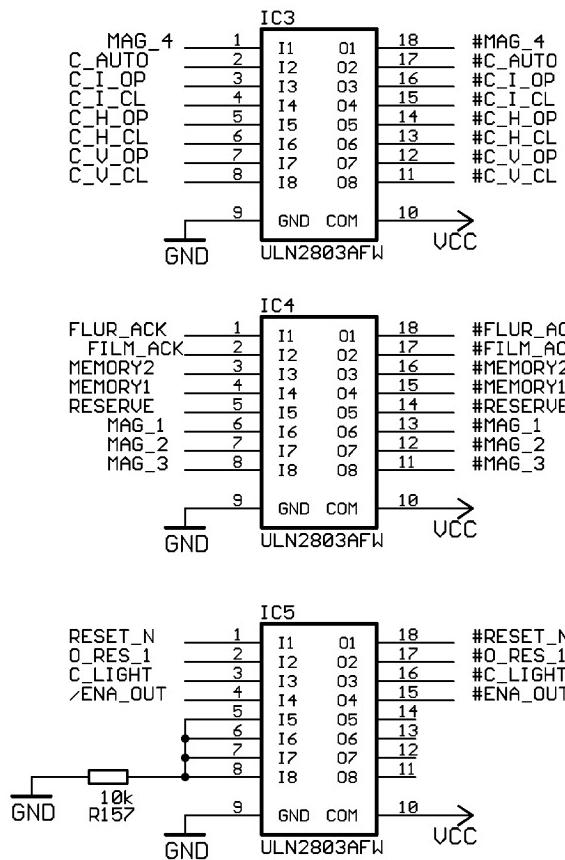
Projekt:

REV:

Datum: 08.08.2002 07:45:46

Seite: 5/21

Transistor Amplifier for Relays



Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Heßdorf

File: hp0116_2020_101

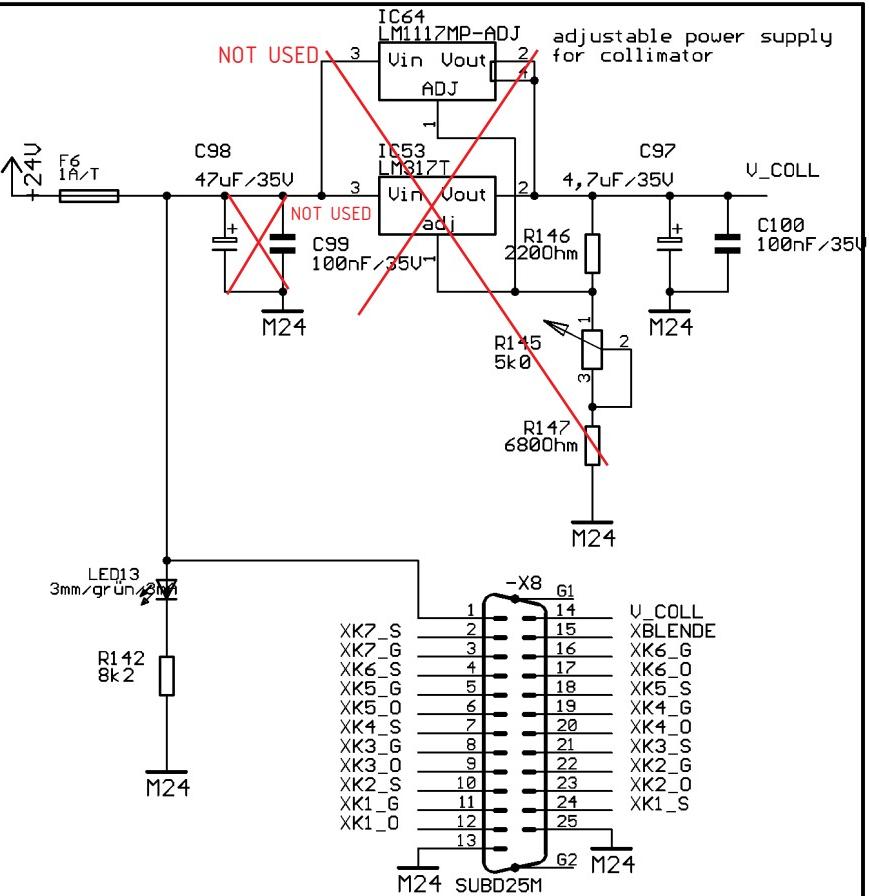
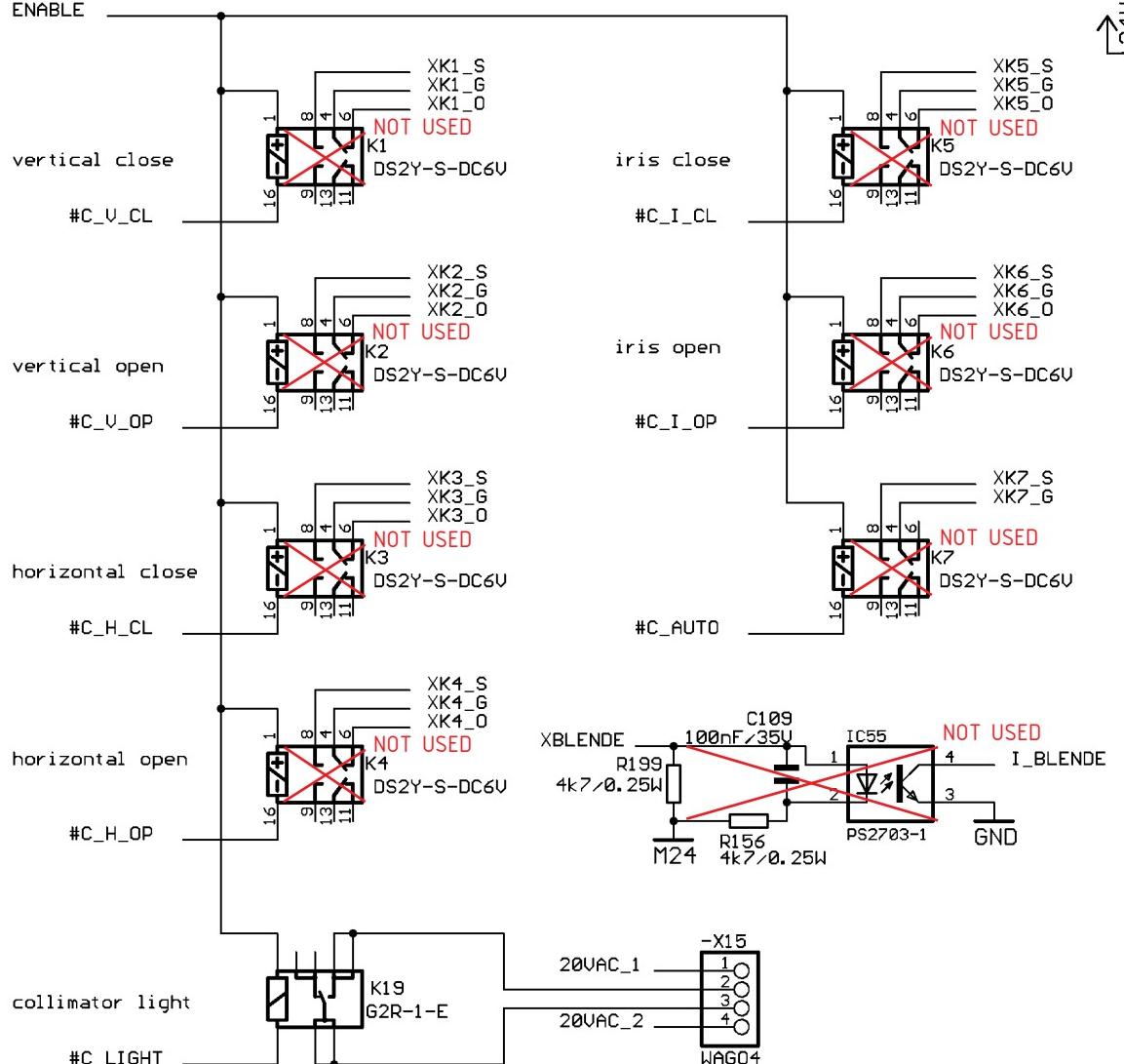
Projekt:

REV:

Datum: 08.08.2002 07:45:46

Seite: 6/21

Collimator Relays



Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Heßdorf

File: hp0116_2020_101

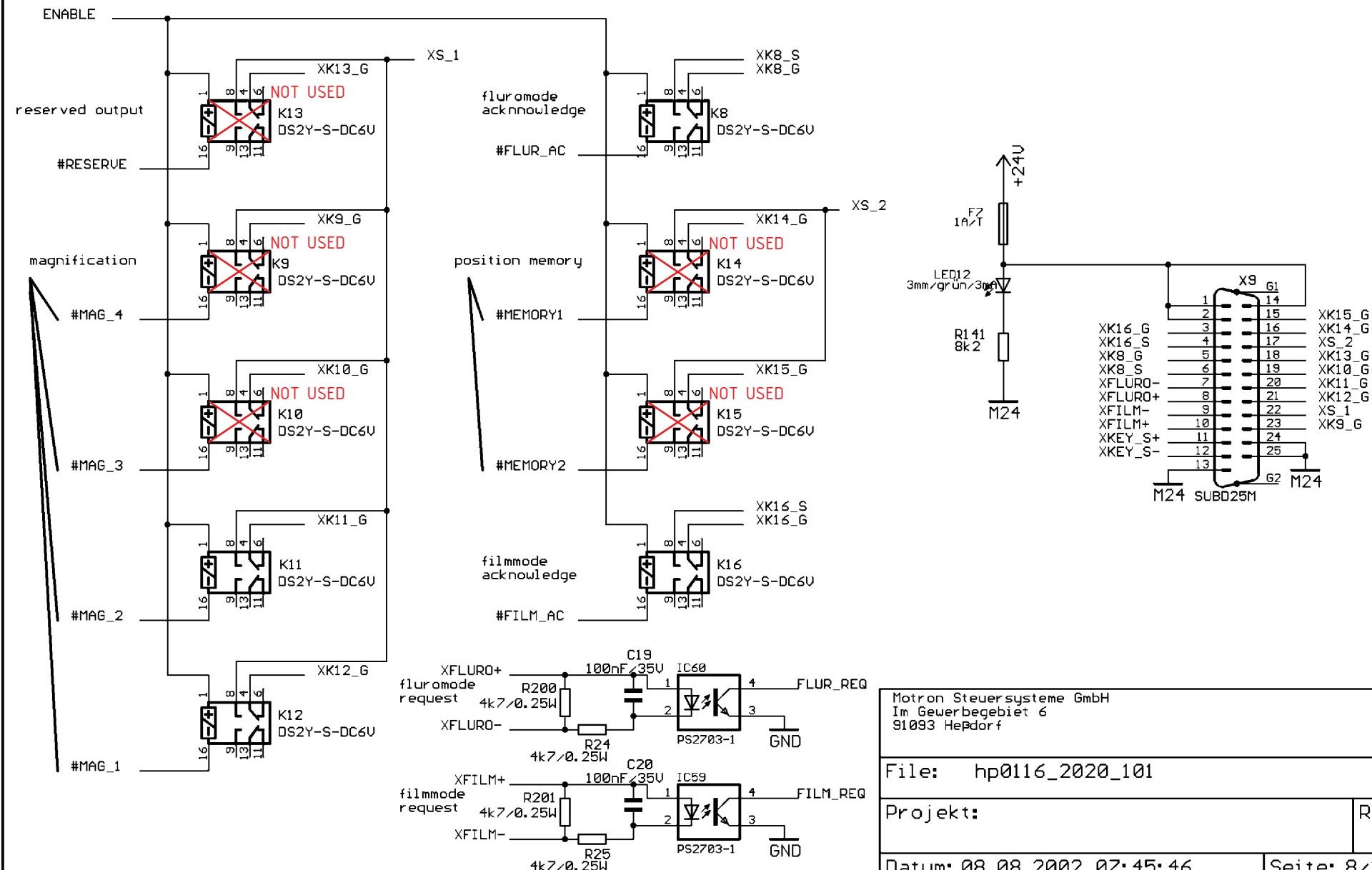
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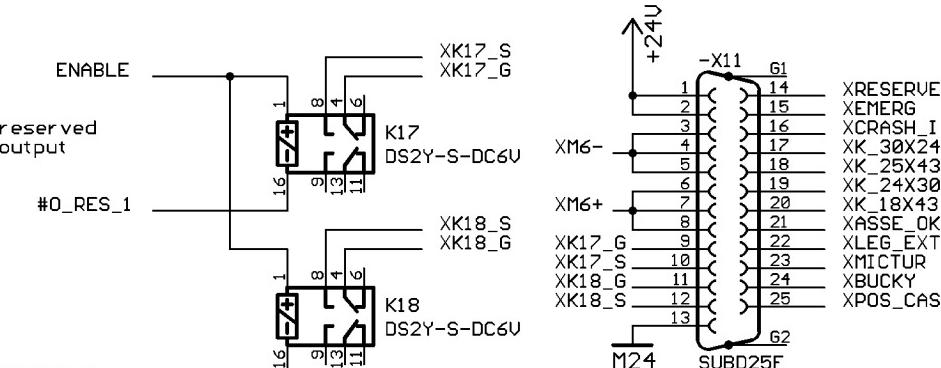
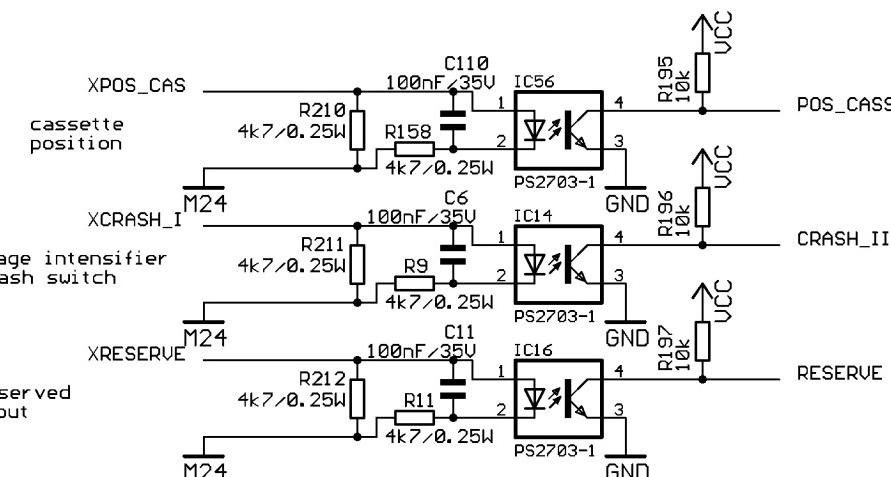
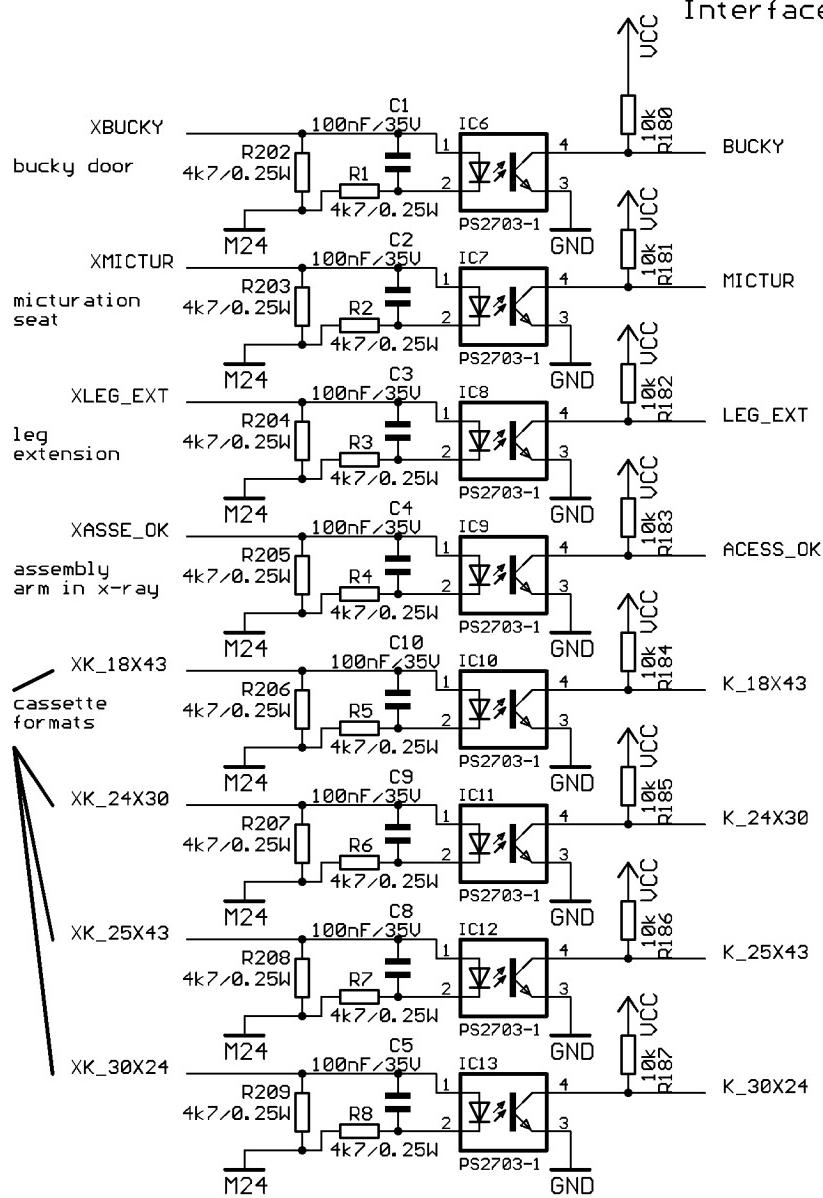
Datum: 08.08.2002 07:45:46

Seite: 7/21

Memory/Zoom/Exposure Relays



Interface Table Top



Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Heßdorf

File: hp0116_2020_101

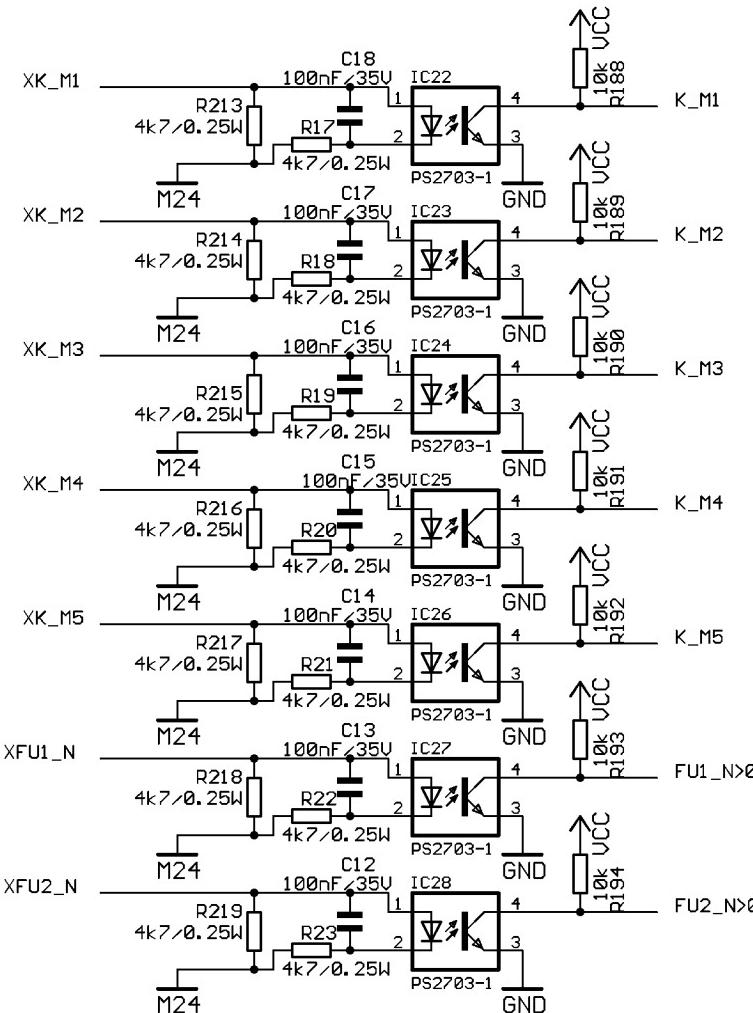
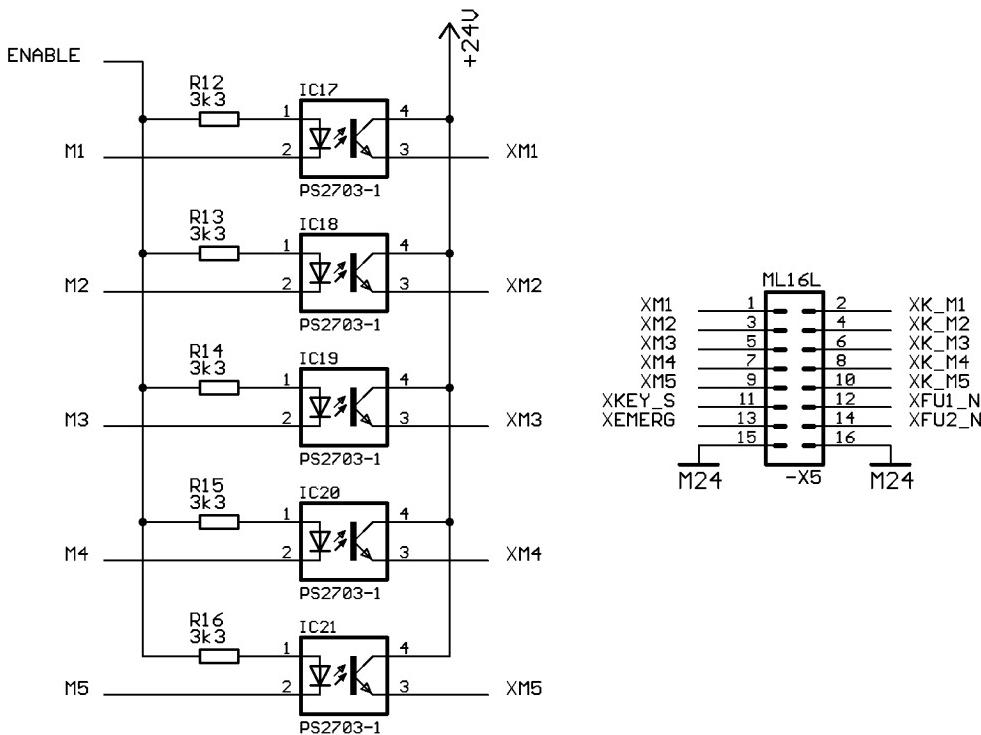
Projekt:

REV:

Datum: 08.08.2002 07:45:46

Seite: 9/21

Interface Relay Board



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File: hp0116_2020_101

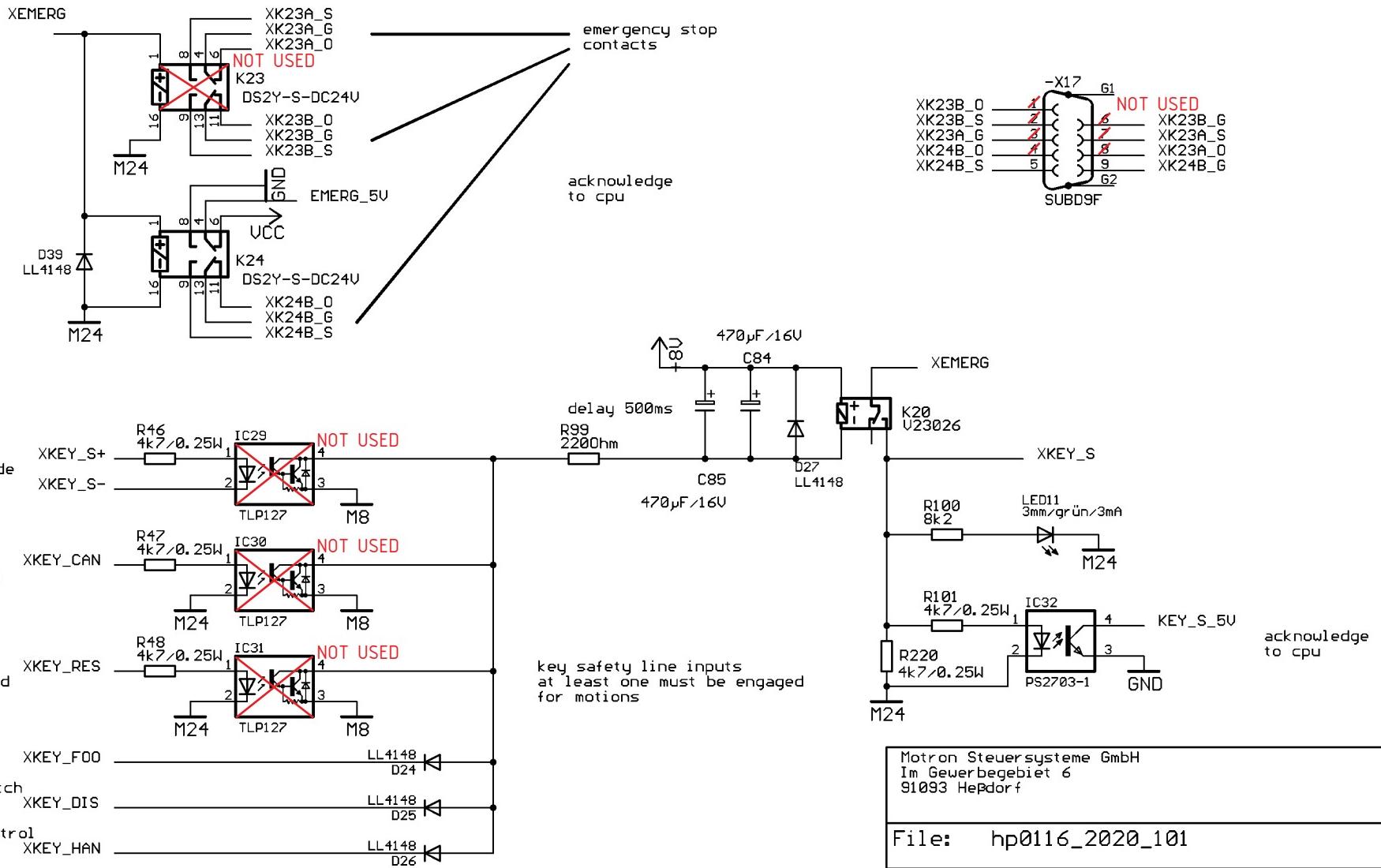
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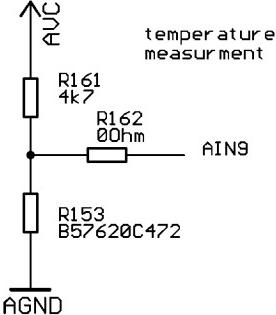
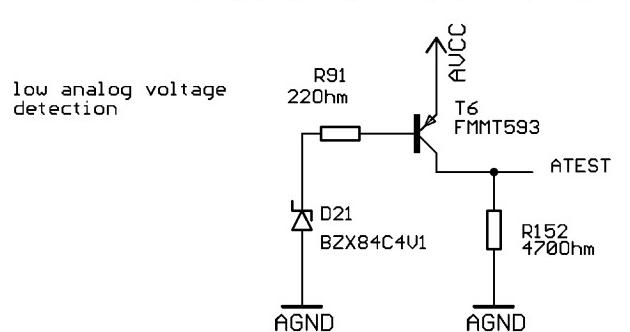
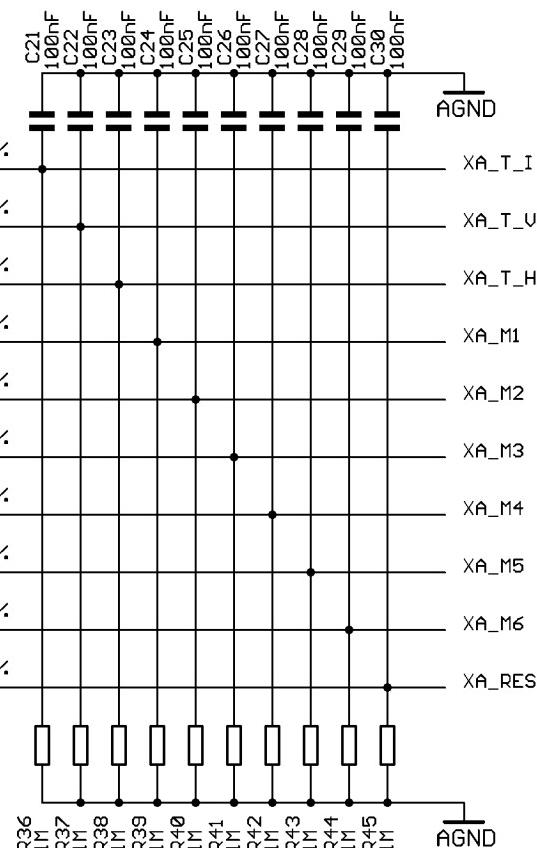
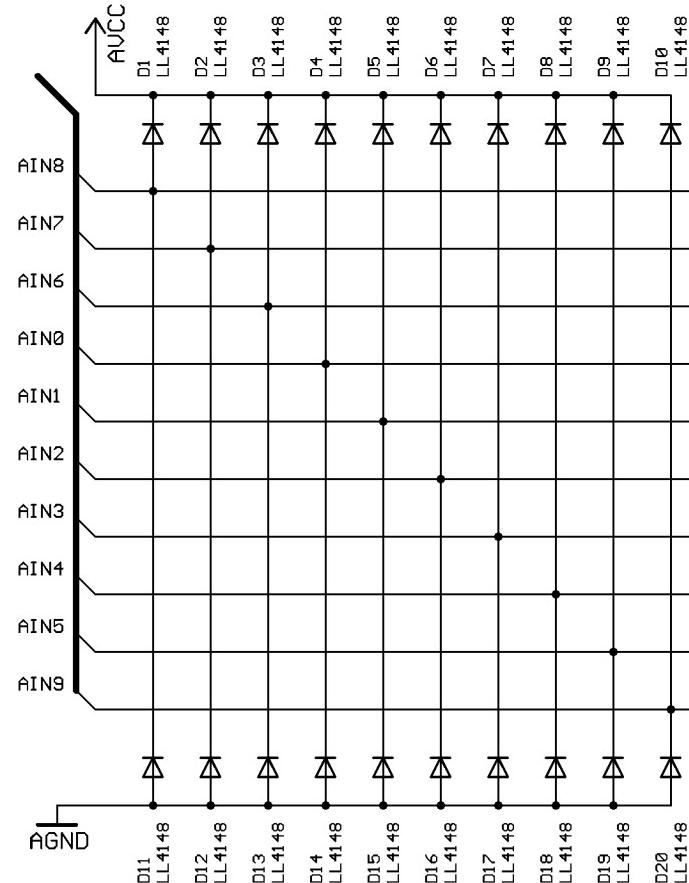
Datum: 08.08.2002 07:45:46

Seite: 10/21

Emergency Stop/Key safety line



Analog Inputs



Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Heßdorf

File: hp0116_2020_101

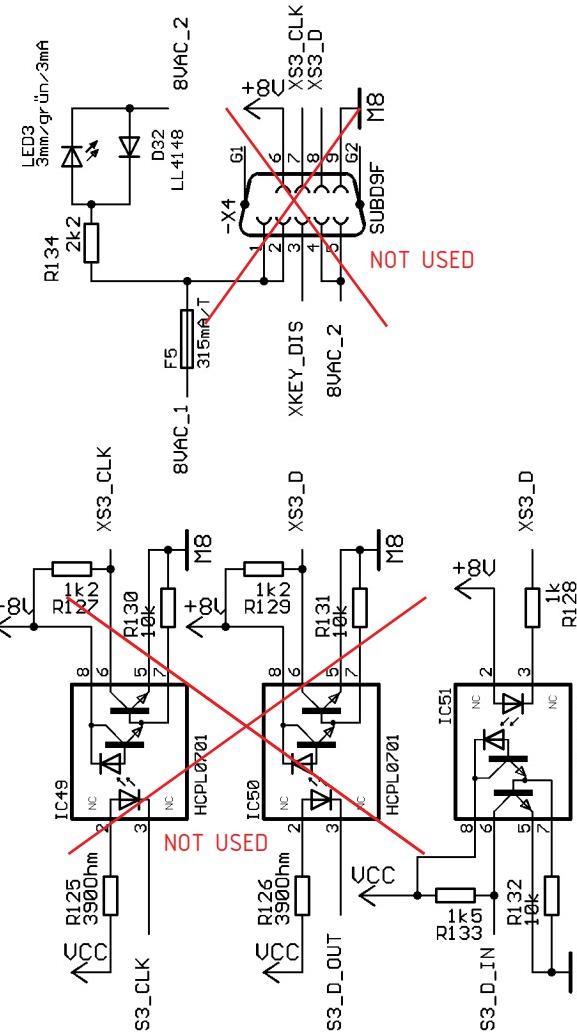
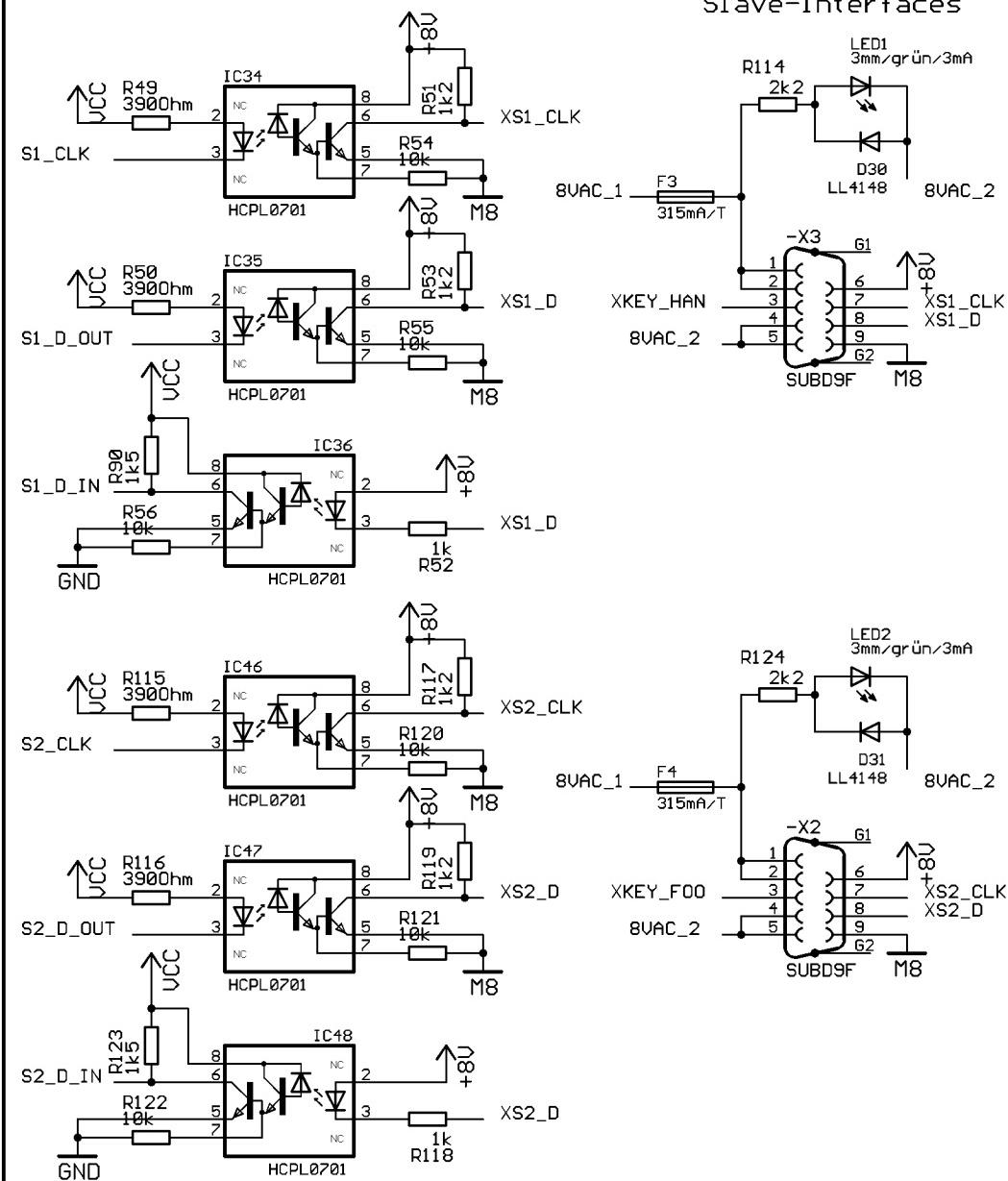
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Datum: 08.08.2002 07:45:46

Seite: 12/21

Slave-Interfaces



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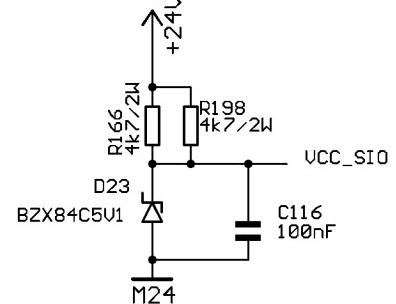
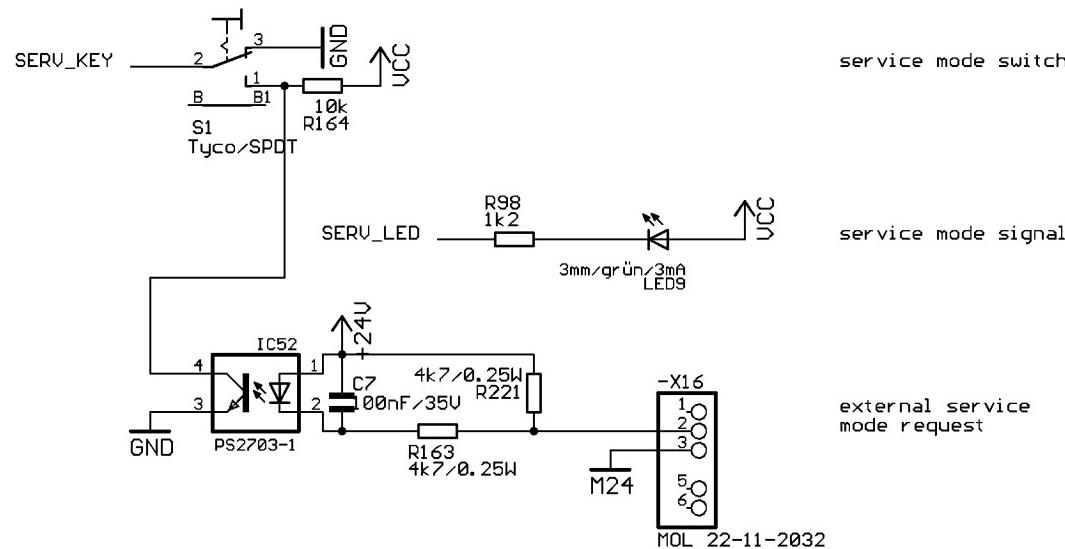
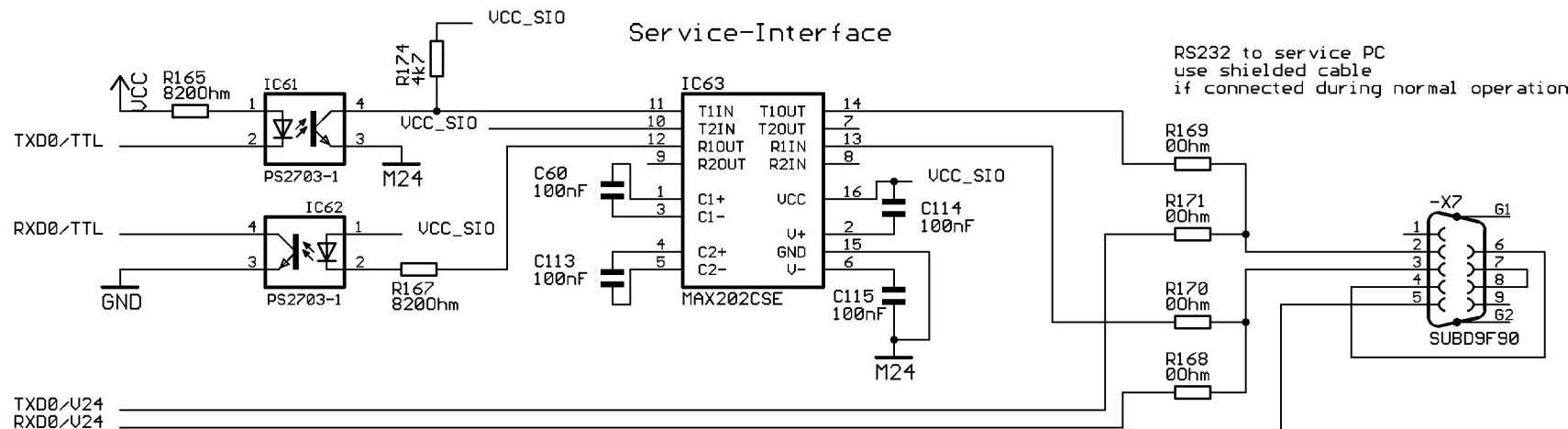
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Projekt:

REV:

Datum: 08.08.2002 07:45:46

Seite: 13/21



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File: hp0116_2020_101

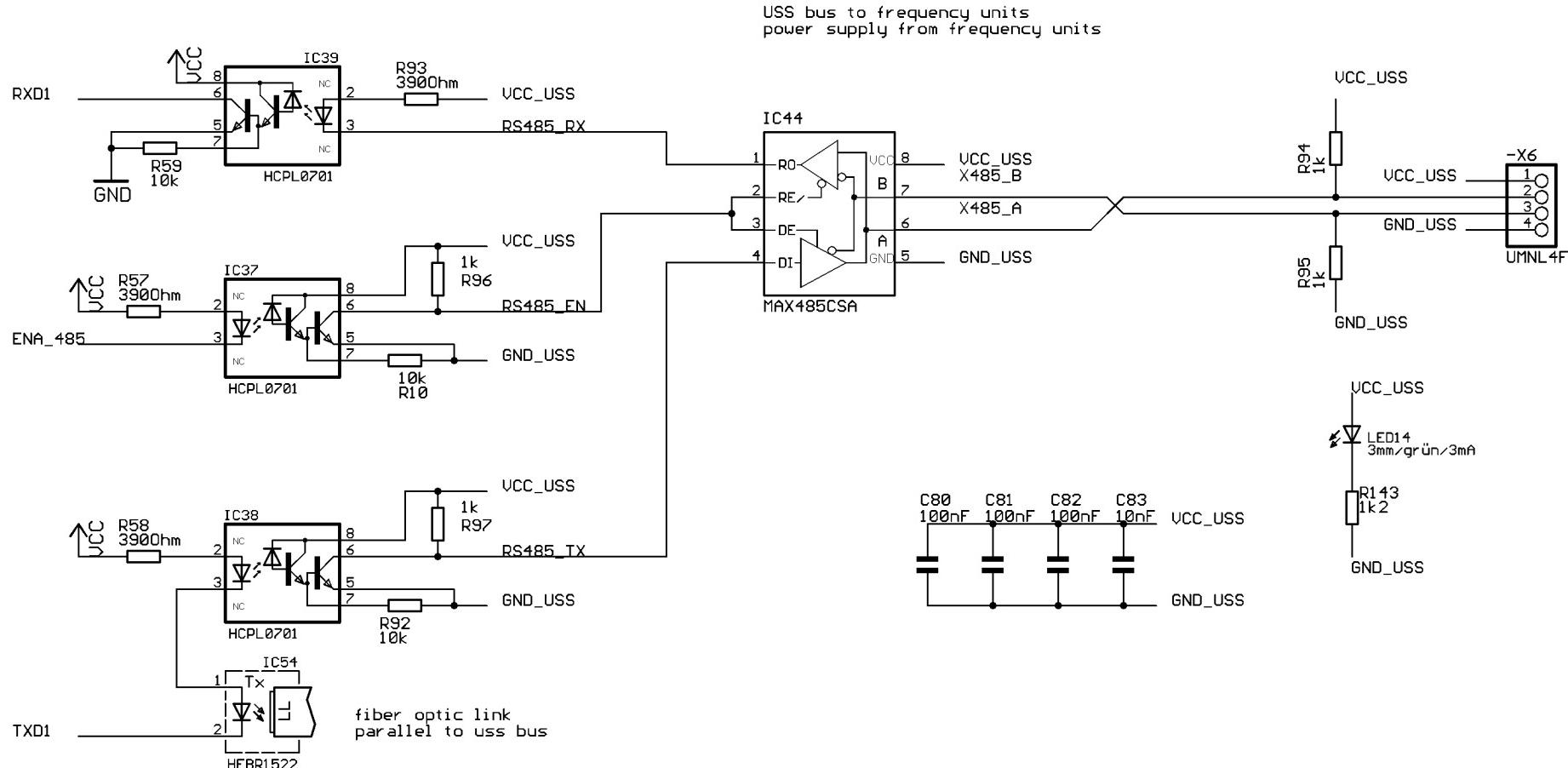
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REV:

Datum: 08.08.2002 07:45:46

Seite: 14/21

RS485-Bus /Fiberoptic



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File: hp0116_2020_101

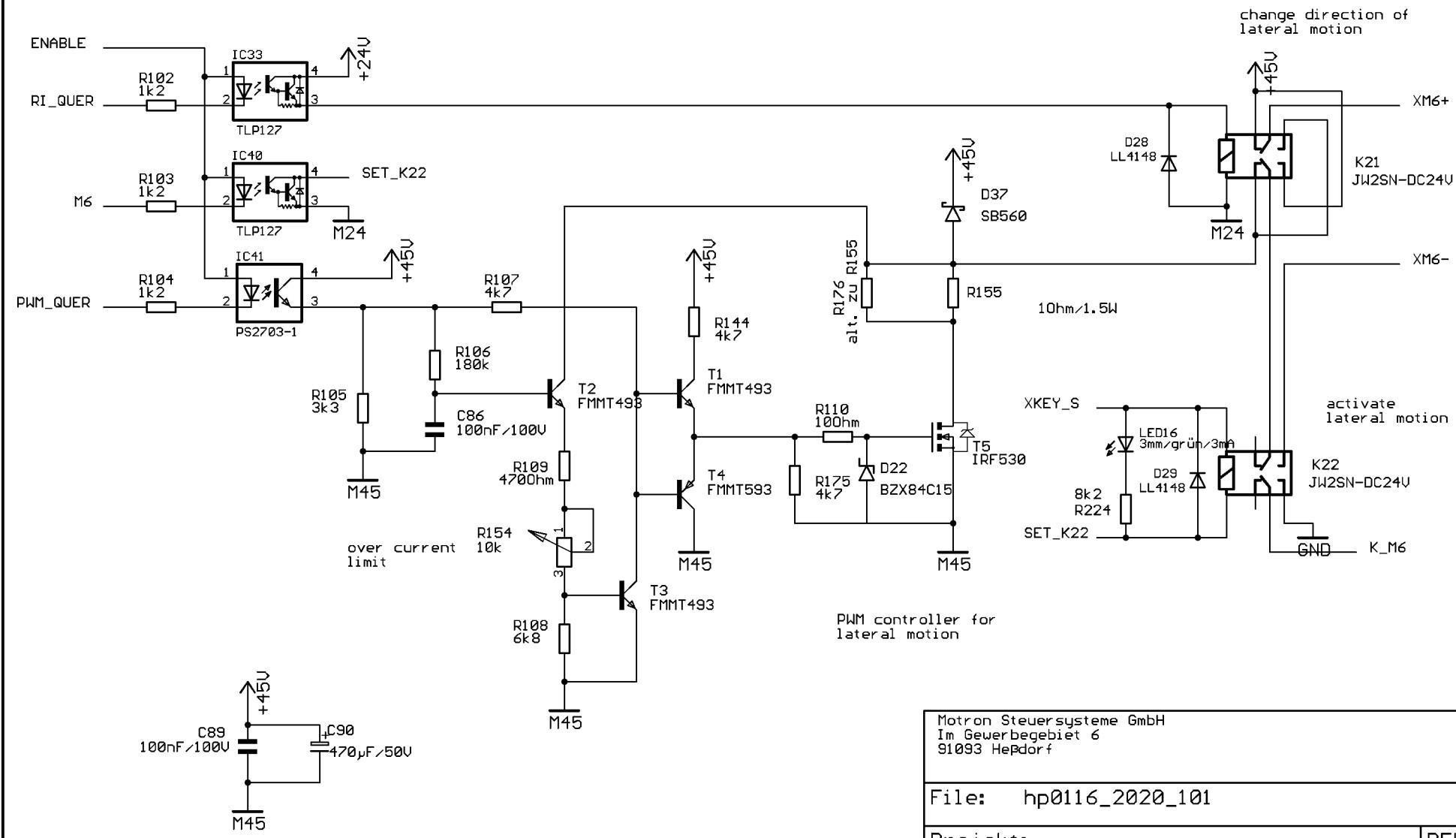
Projekt:

REV:

Datum: 08.08.2002 07:45:46

Seite: 15/21

Lateral Motion



Motron Steuersysteme GmbH
Im Gewerbegebiet 6
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File: hp0116_2020_101

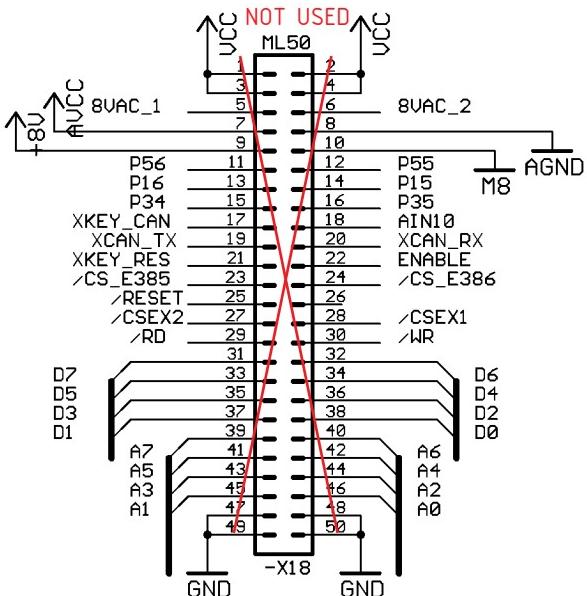
Projekt:

REV:

Datum: 08.08.2002 07:45:46

Seite: 16/21

Expansion Interface



Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Heßdorf

File: hp0116_2020_101

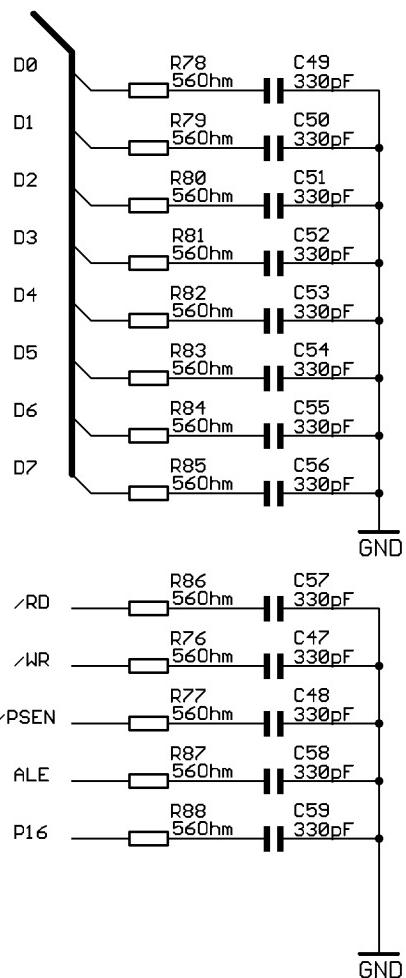
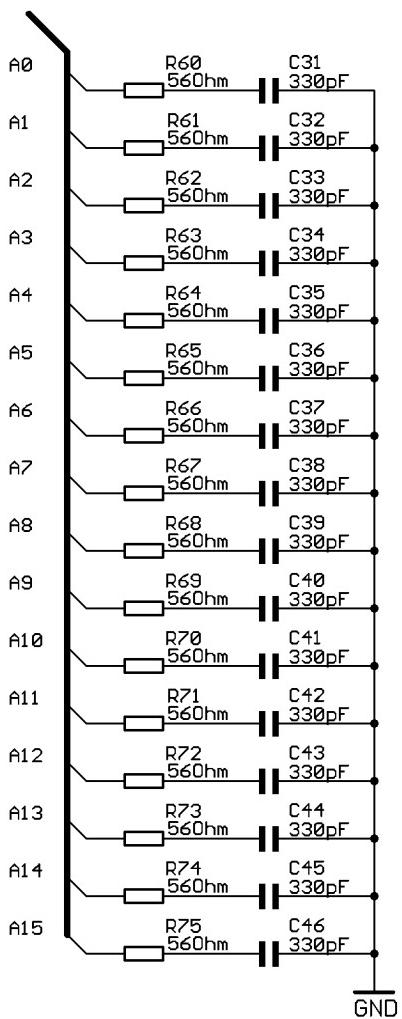
Projekt:

REV:

Datum: 08.08.2002 07:45:46

Seite: 17/21

Termination



Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Heßdorf

File: hp0116_2020_101

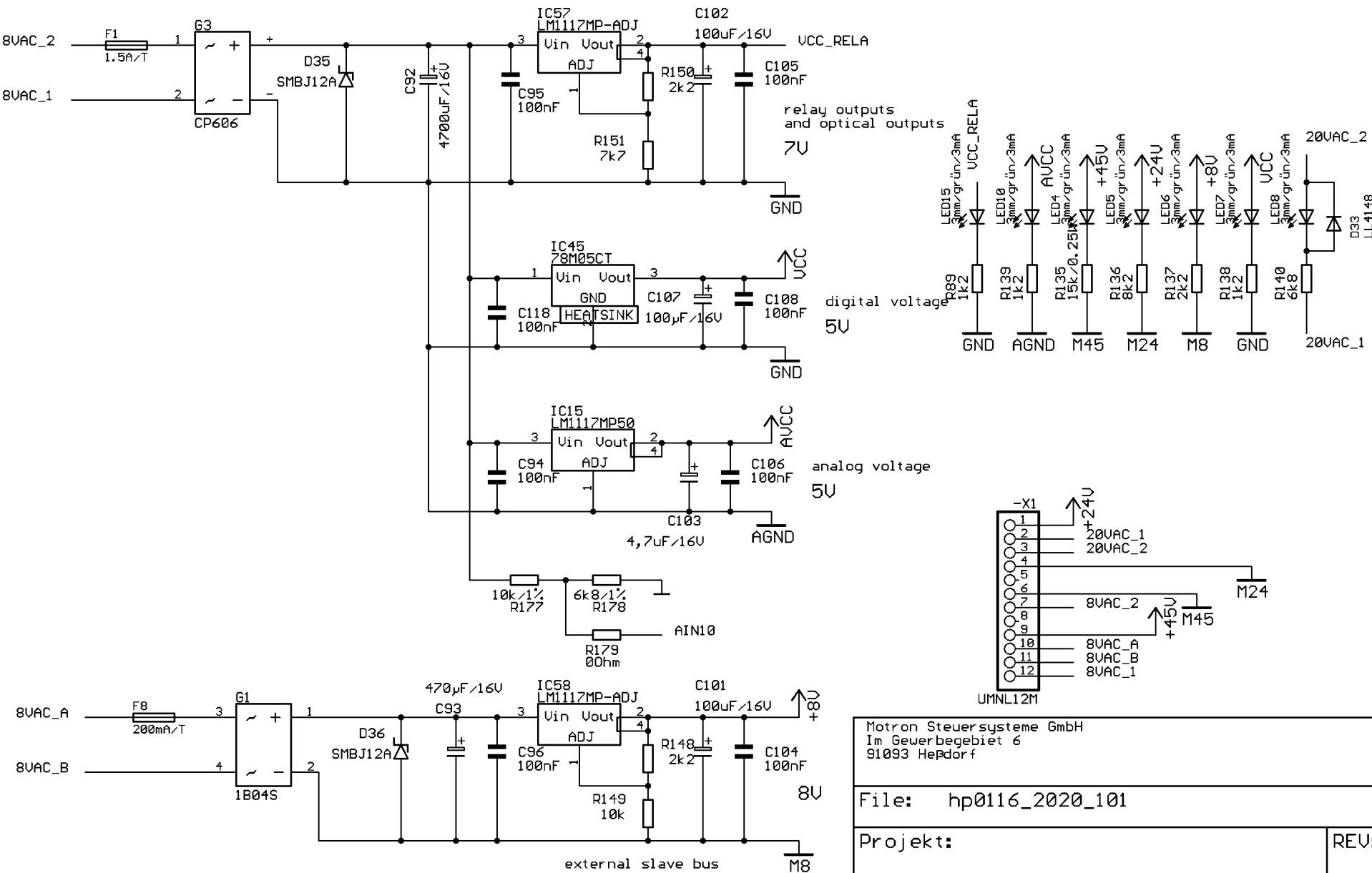
Projekt:

REV:

Datum: 08.08.2002 07:45:46

Seite: 18/21

Power supply



Motron Steuersysteme GmbH
Im Gewerbegebiet 6
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File: hp0116_2020_101

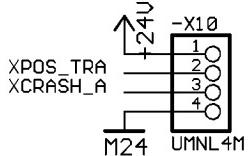
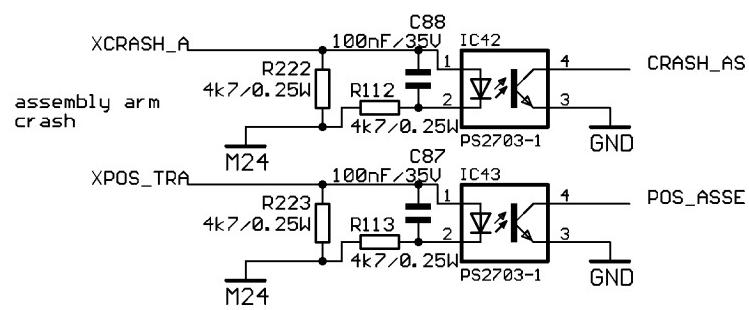
Projekt:

REV:

Datum: 08.08.2002 07:45:46

Seite: 19/21

Interface assembly arm



Motron Steuersysteme GmbH
Im Gewerbegebiet 6
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File: hp0116_2020_101

Projekt:

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Datum: 08.08.2002 07:45:46

Seite: 20/21

Motron Steuersysteme GmbH
Im Gewerbegebiet 6
91093 Heßdorf

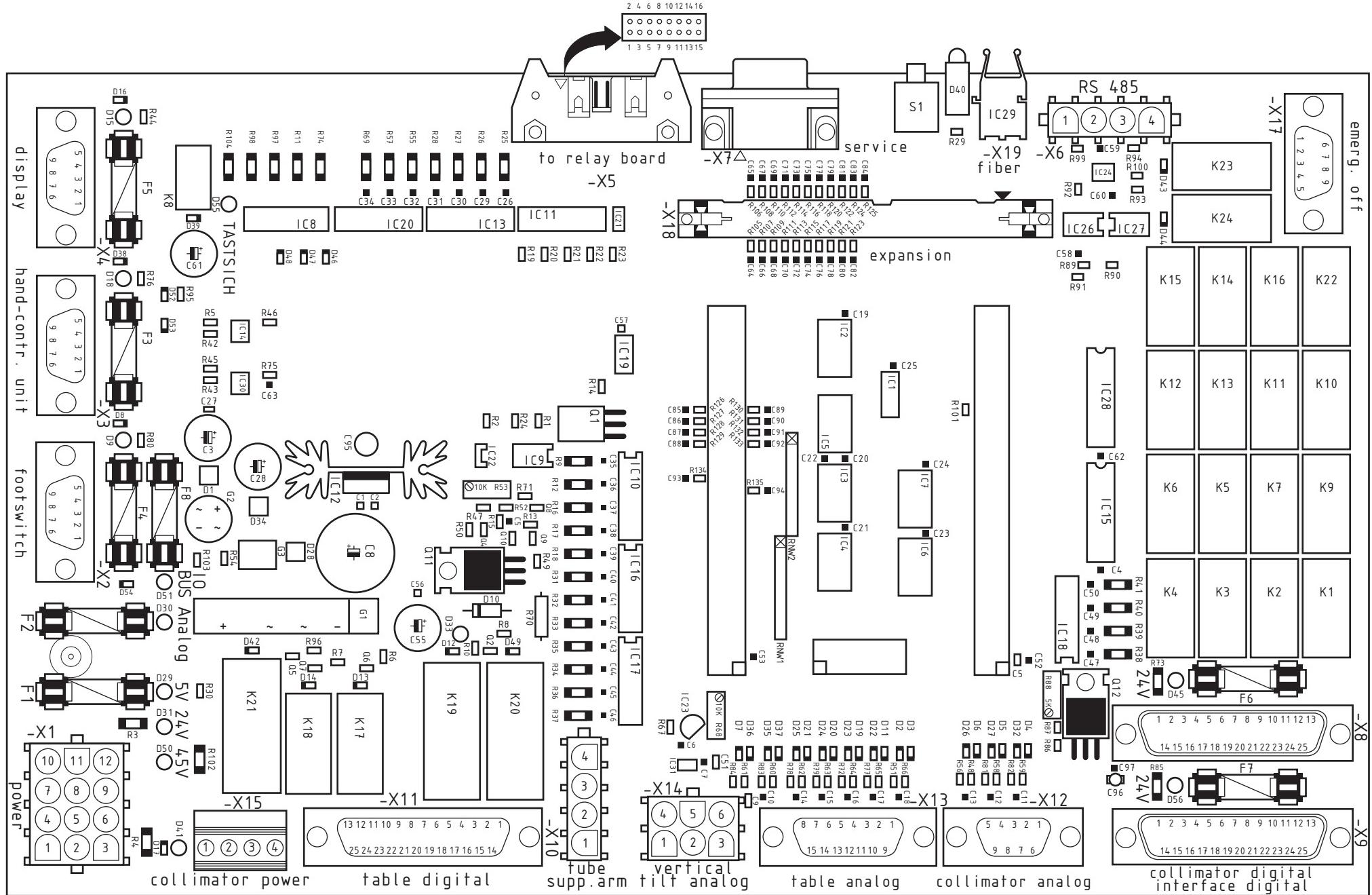
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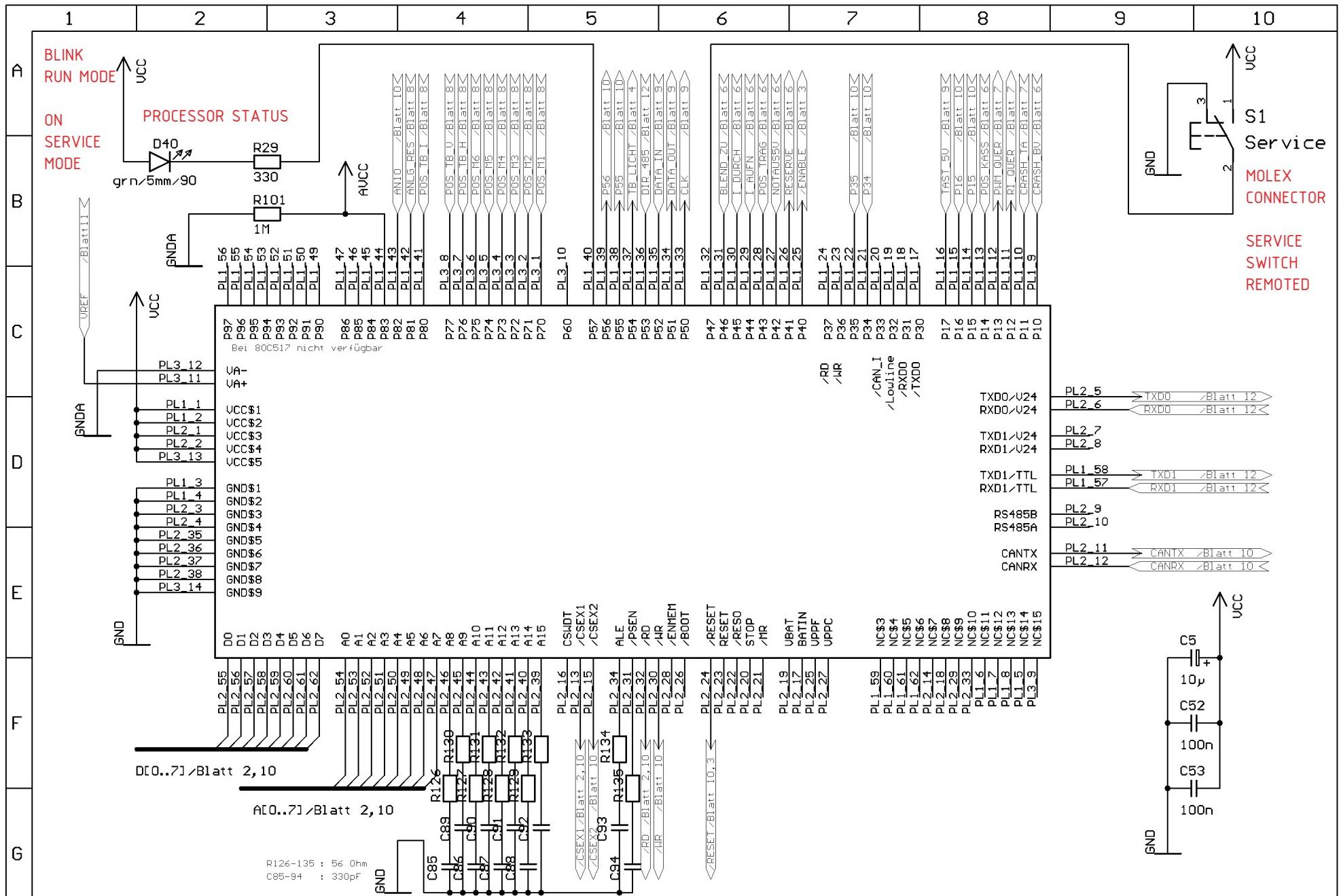
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REV:

Datum: 08.08.2002 07:45:46

Seite: 21/21





Datei: PLINHP'2
Pfad: ..\UR03000\TECHNIK\
CPU\HARDWARE
Kunde: Hans Pausch

MOTRON
Steuersysteme GmbH

URO 3000

CM509 Modul

Stand: 17.08.2000 16:20:40 | Blatt: 1/13

ZN: bp 0116 2020

ENR Apr 2018 2023

Datum: 17.07.97

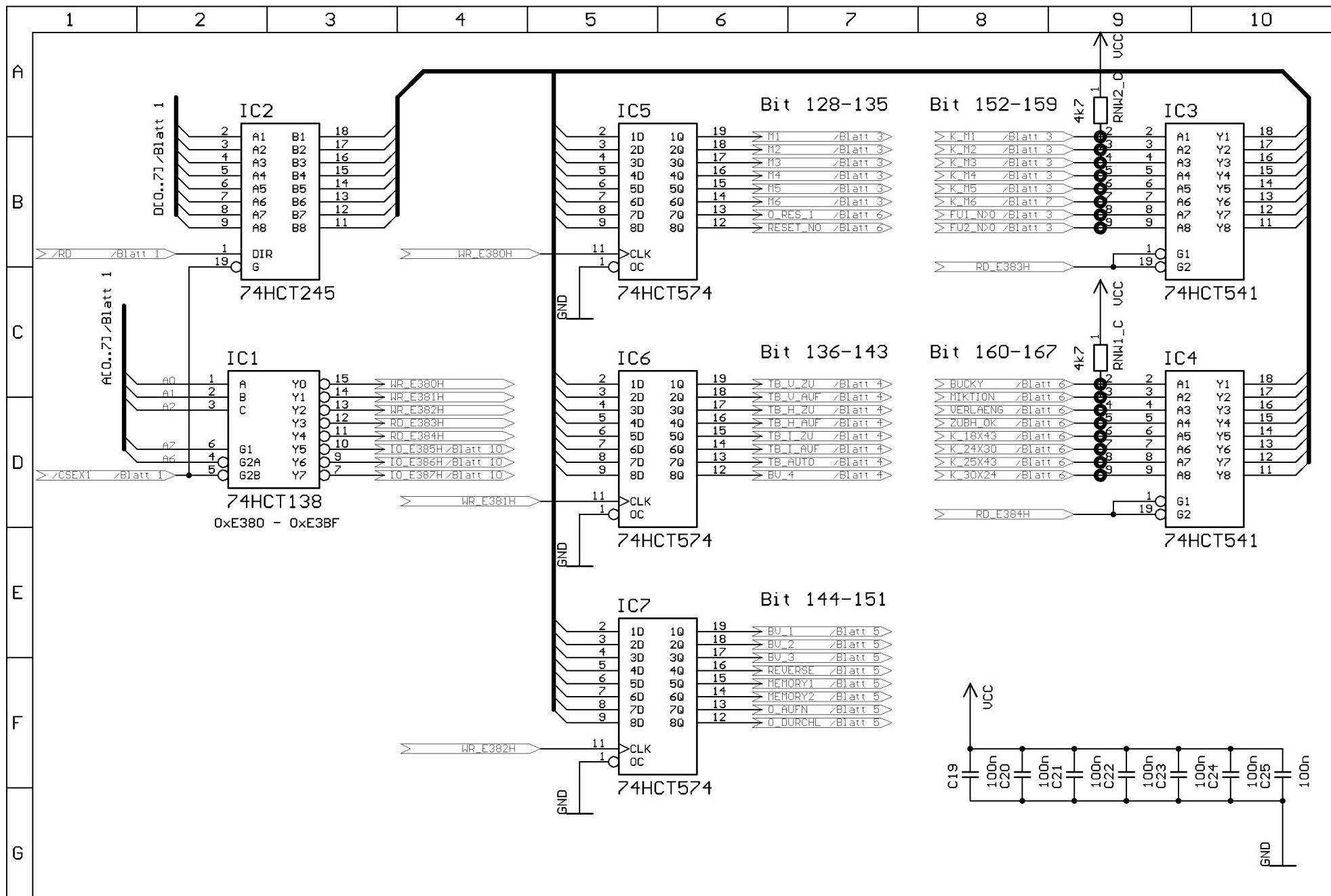
Name: Eckstein

Ausgabestand ④ 09.09.99

① 10.05.98 ⑤ 17.12.99

② 14.07.99 ⑥ 22.5.00

③ 13.08.99 ⑦ 17.8.00



Datei: PLINHP~2
 Pfad: ..\UR03000\TECHNIK\
 CPU\HARDWARE
 Kunde: Hans Pausch

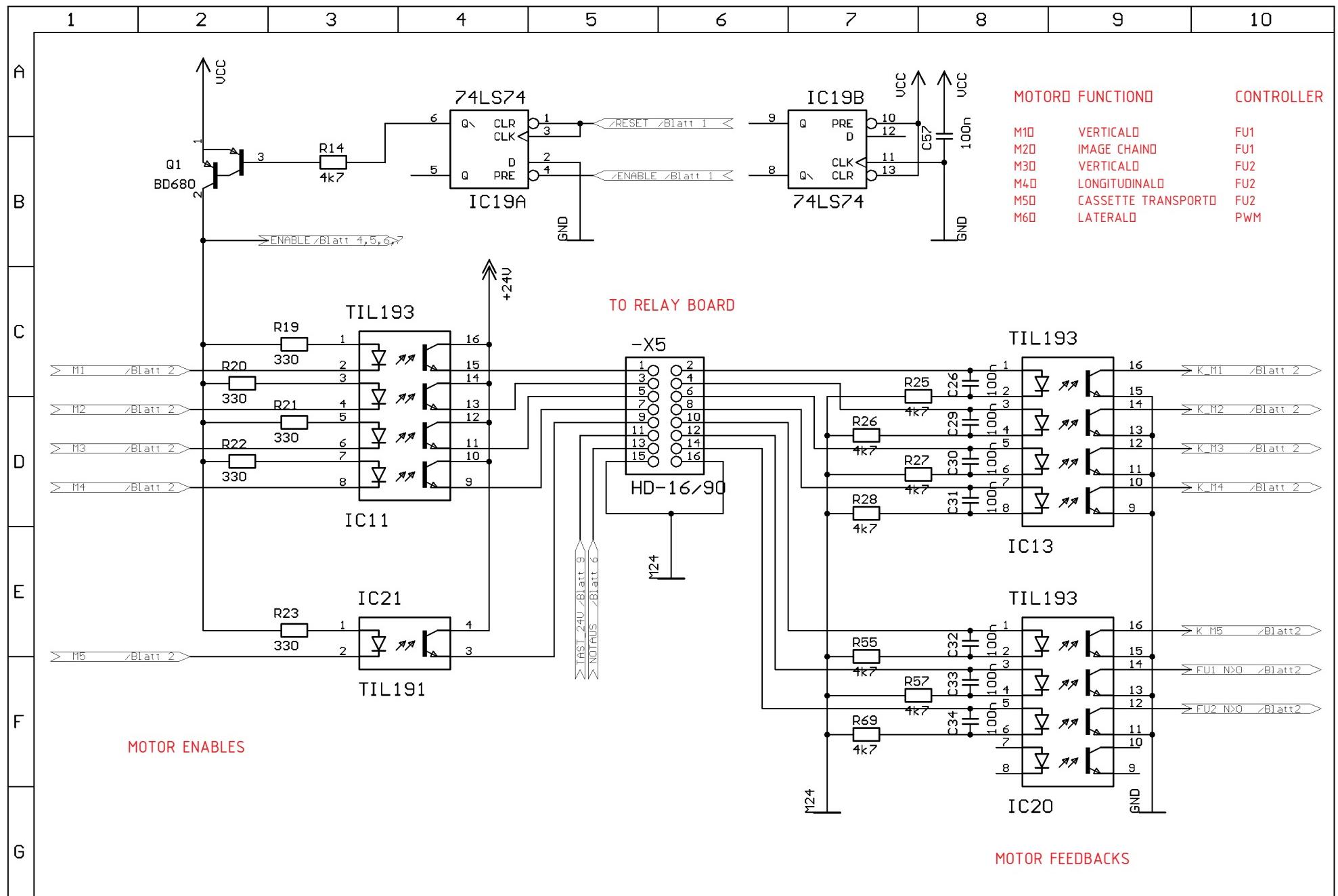
MOTRON
 Steuersysteme GmbH

URO 3000

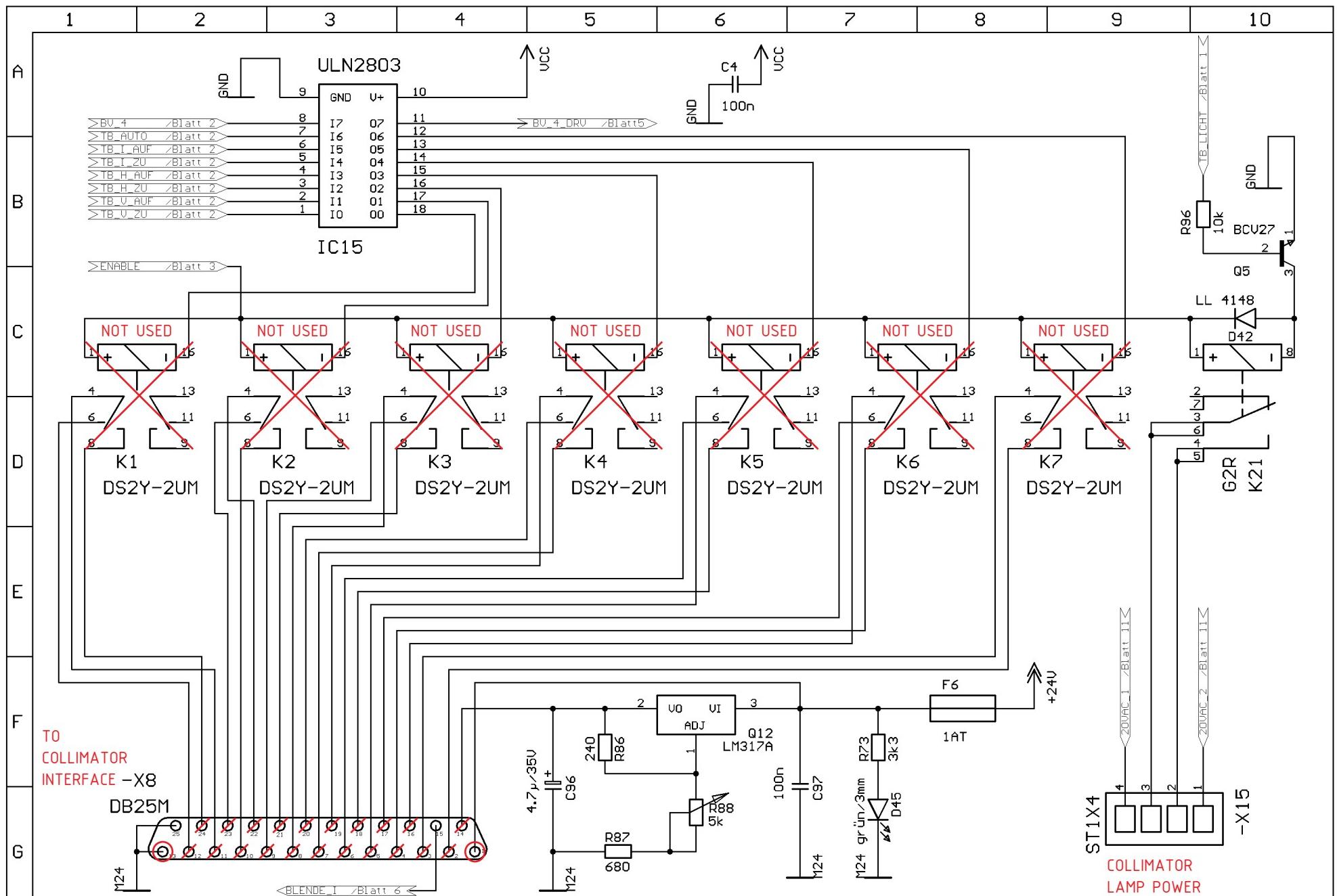
IO-Decoder & Latches

ZN: hp 0116 2020
 Datum: 17.07.97
 Name: A.Eckstein

Ausgabestand



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Kunde:	Hans Pausch		Stand: 17.08.2000 16:20:40	Blatt:	3/13	Name:	A.Eckstein



Datei: PLINHP~2
 Pfad: ..\UR03000\TECHNIK\
 CPU\HARDWARE
 Kunde: Hans Pausch

MOTRON
 Steuersysteme GmbH

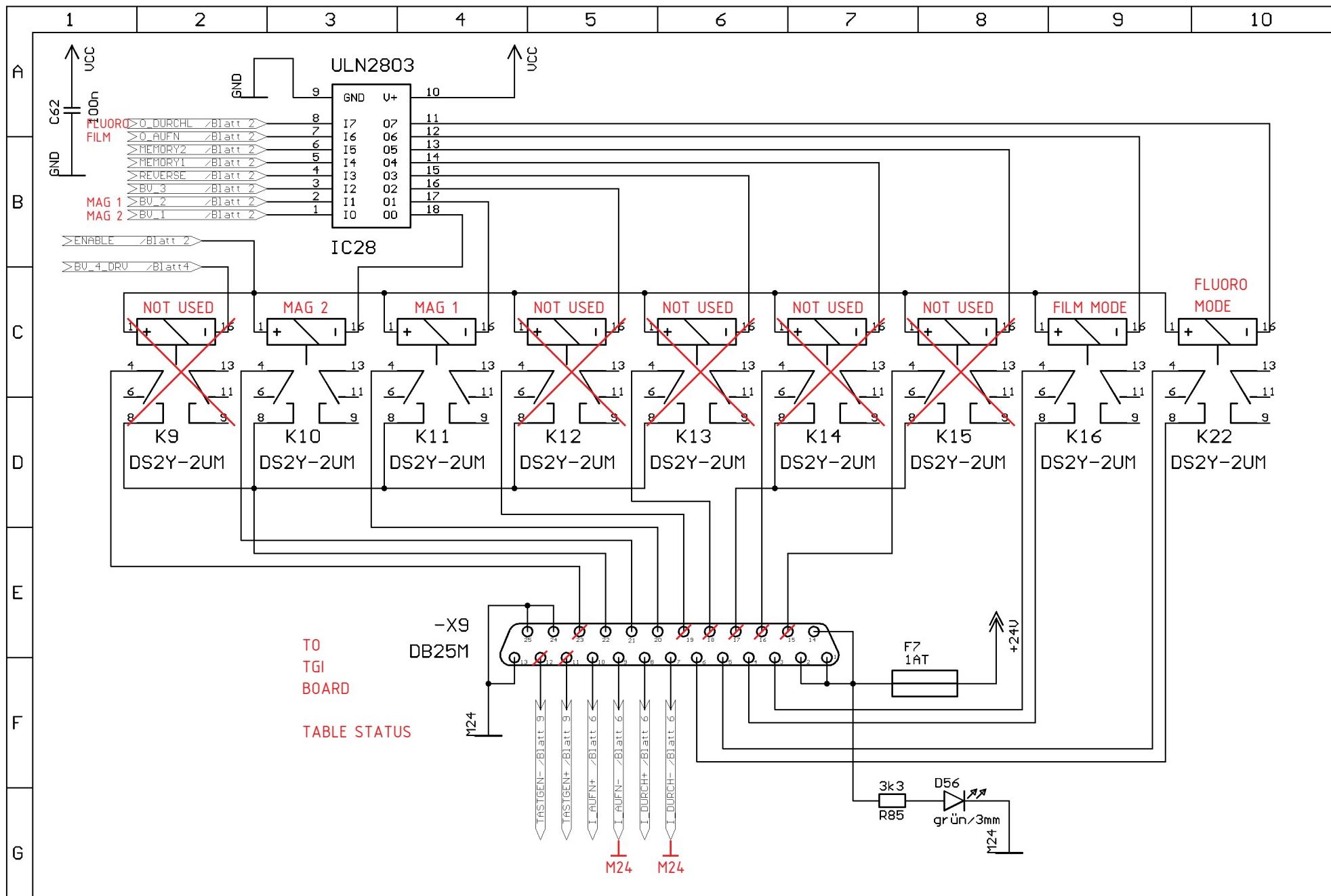
URO 3000

Tiefenblende Digital

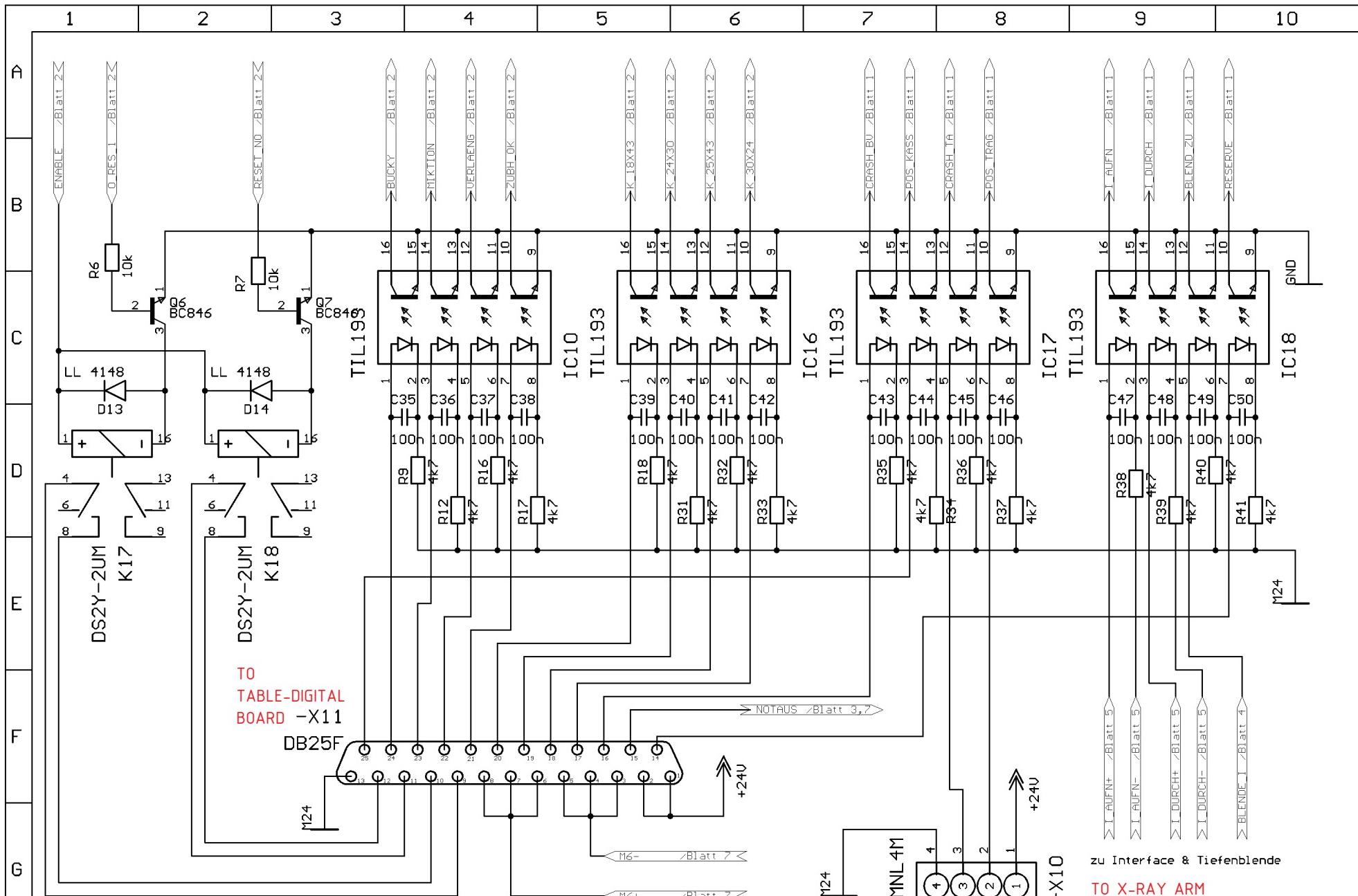
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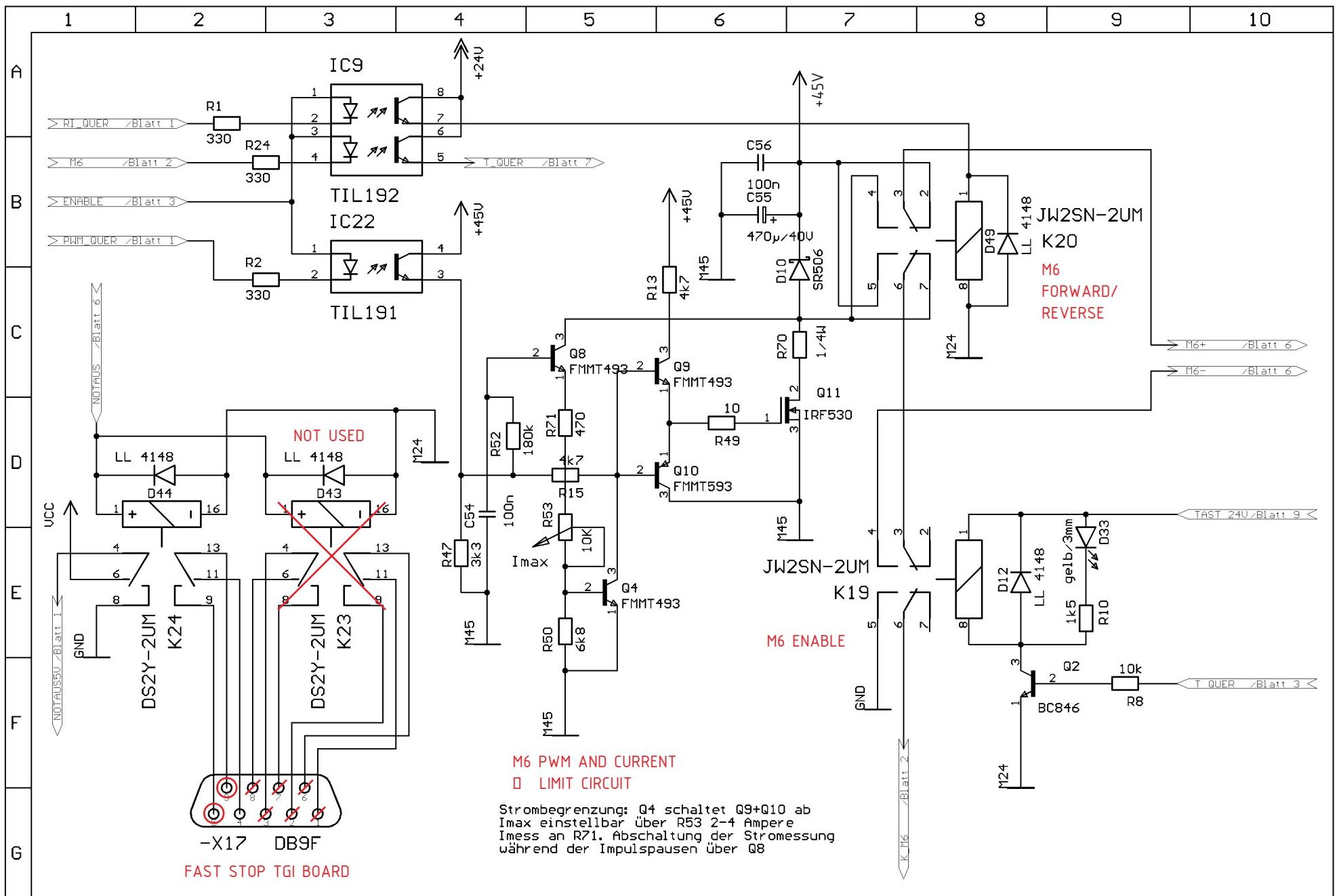
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 Datum: 17.07.97
 Name: A.Eckstein

Ausgabestand



Datei:	PLINHP~2	MOTRON	URO 3000	ZN: hp 0116 2020	Ausgabestand
Pfad:	..\\UR03000\\TECHNIK\\CPU\\HARDWARE		Interface Digital	Datum: 17.07.97	
Kunde:	Hans Pausch	Steuersysteme GmbH	Stand: 17.08.2000 16:20:40	Blatt: 5/13	Name: A.Eckstein





Datei: PLINHP~2
 Pfad: ..\UR03000\TECHNIK\
 CPU\HARDWARE
 Kunde: Hans Pausch

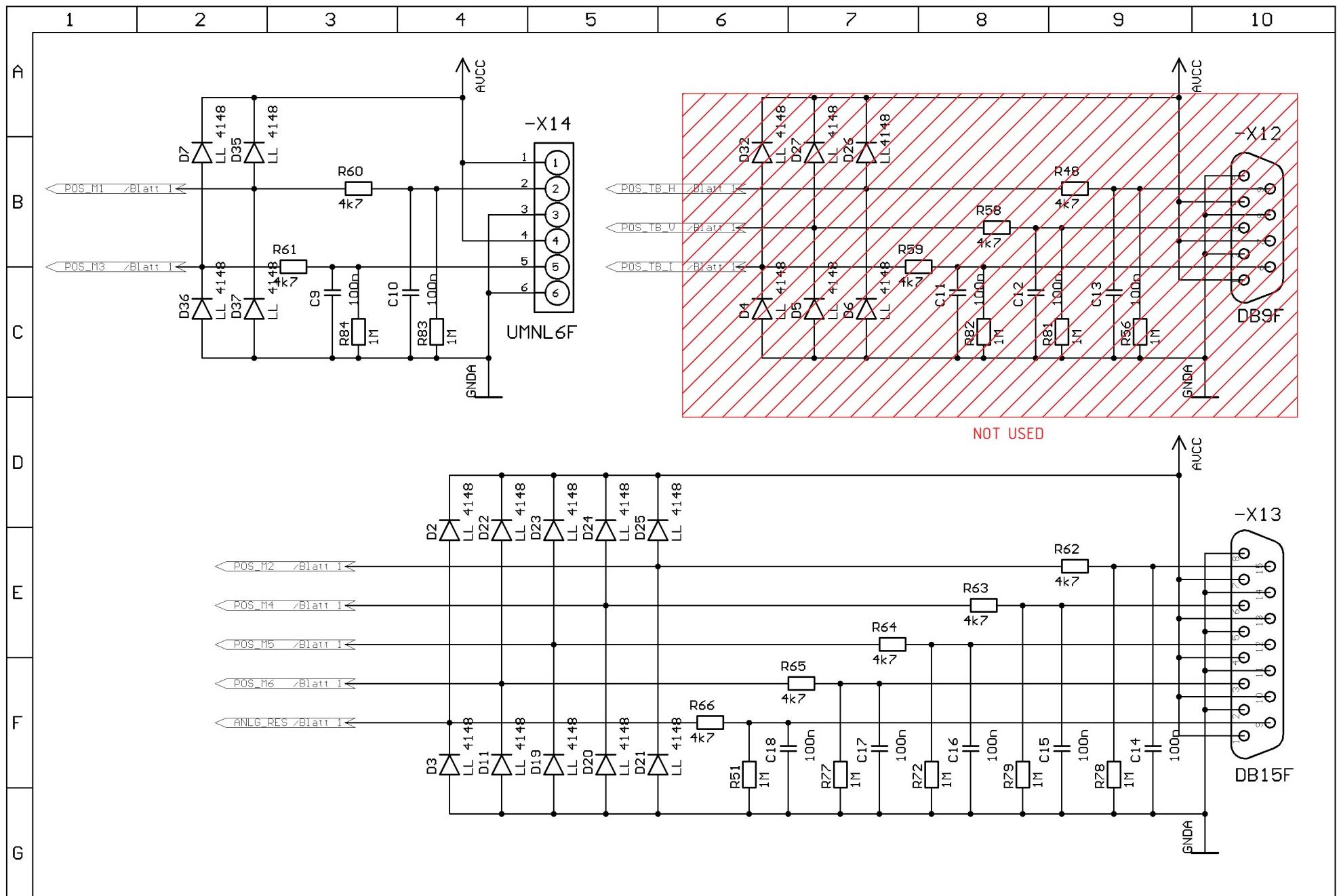
MOTRON
 Steuersysteme GmbH

URO 3000

PWM M6 + Notaus-Hilfskontakte

Stand: 17.08.2000 16:20:40 Blatt: 7/13

ZN: hp 0116 2020
 Ausgabestand
 Datum: 17.07.97
 Name: A.Eckstein



Datei: PLINHP~2
 Pfad: ..\UR03000\TECHNIK\
 CPU\HARDWARE
 Kunde: Hans Pausch

MOTRON
 Steuersysteme GmbH

URO 3000

Analogeingänge

Stand: 17.08.2000 16:20:40

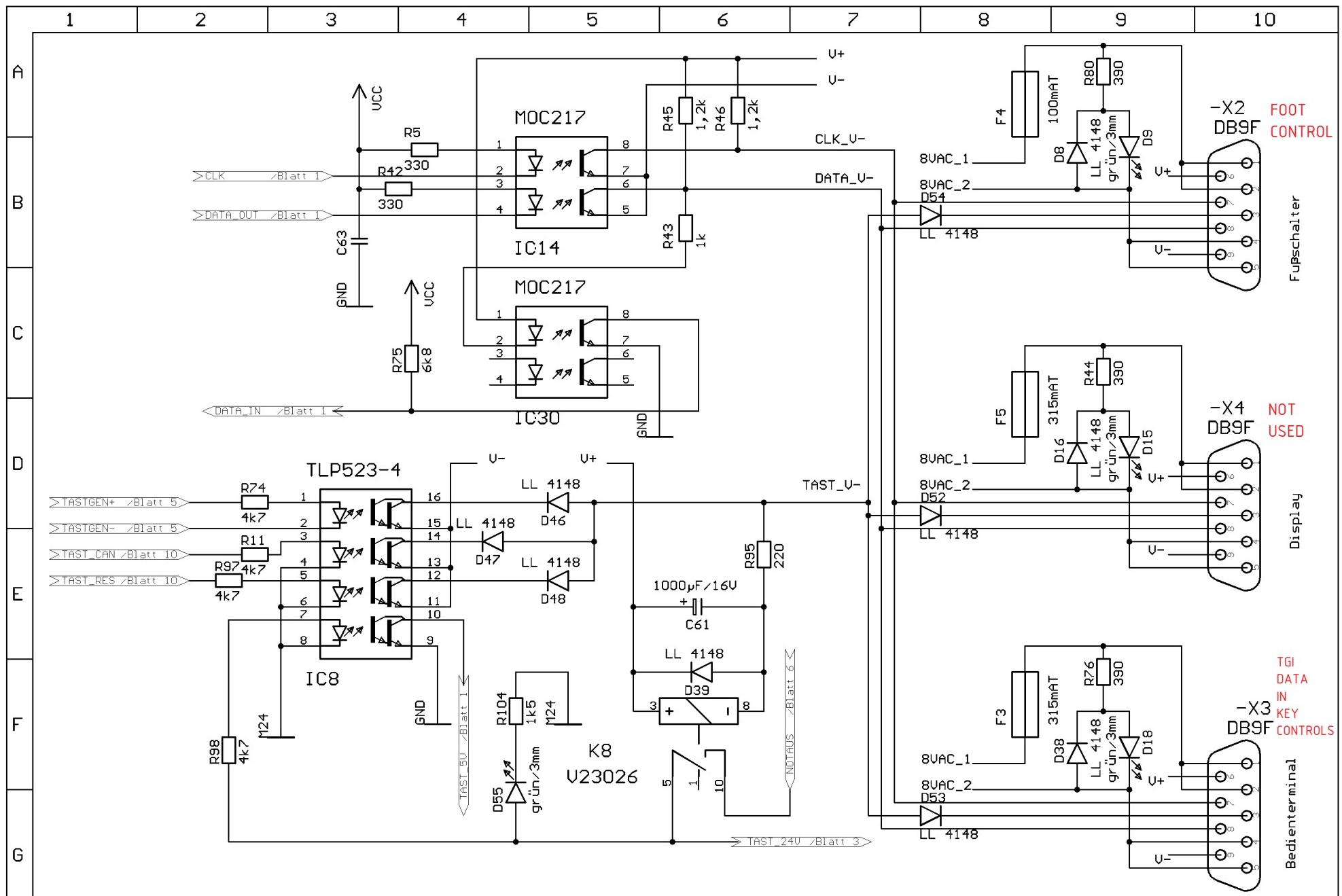
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ZN: hp 0116 2020

Ausgabestand

Datum: 17.07.97

Name: A.Eckstein



Datei: PLINHP~2
 Pfad: ..\UR03000\TECHNIK\
 CPU\HARDWARE
 Kunde: Hans Pausch

MOTRON
 Steuersysteme GmbH

URO 3000

Io-Bus + Tastensicherung

Stand: 17.08.2000 16:20:40 | Blatt: 9/13

ZN: hp 0116 2020

Ausgabestand

Datum: 17.07.97

Name: A.Eckstein

A

B

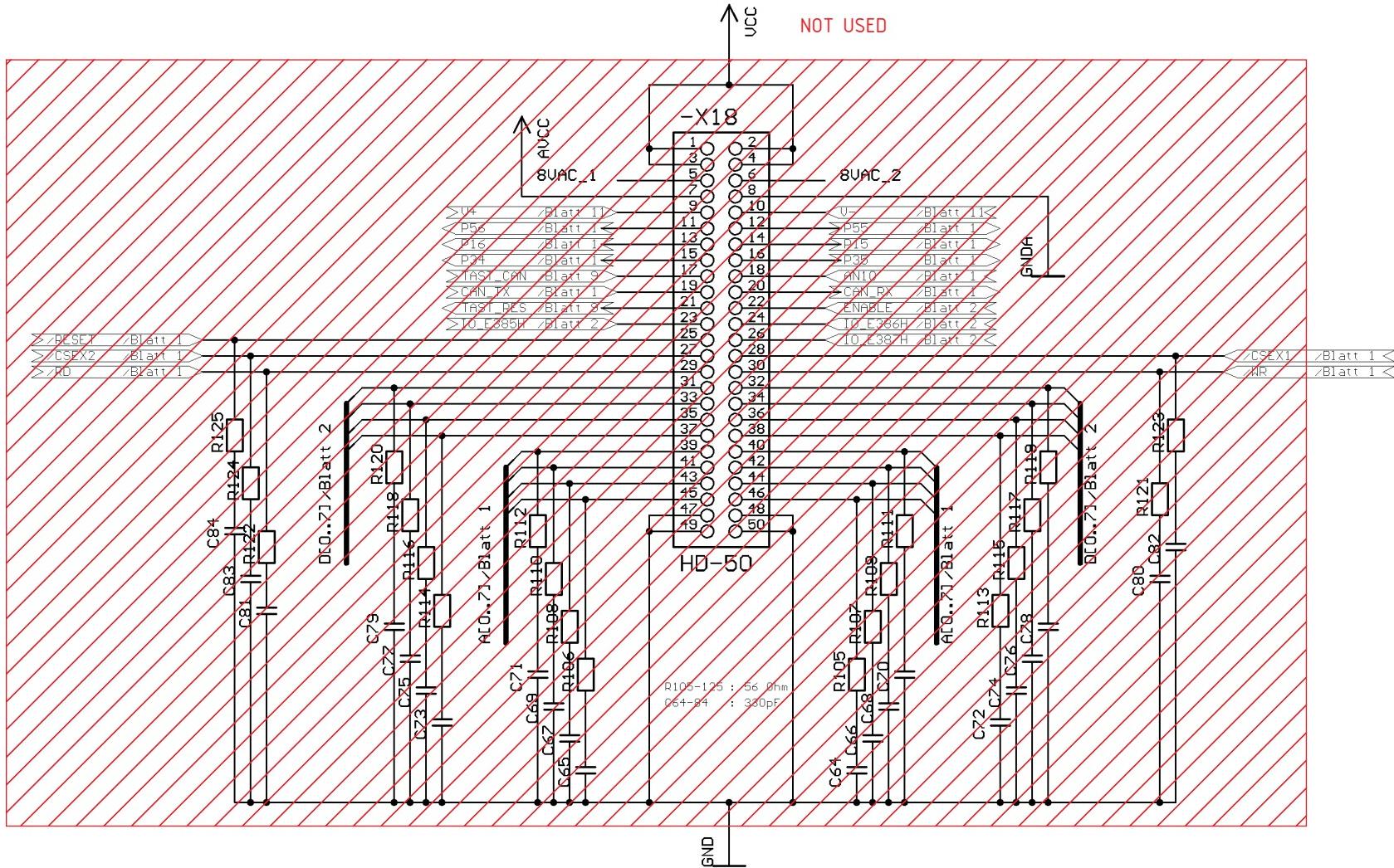
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1

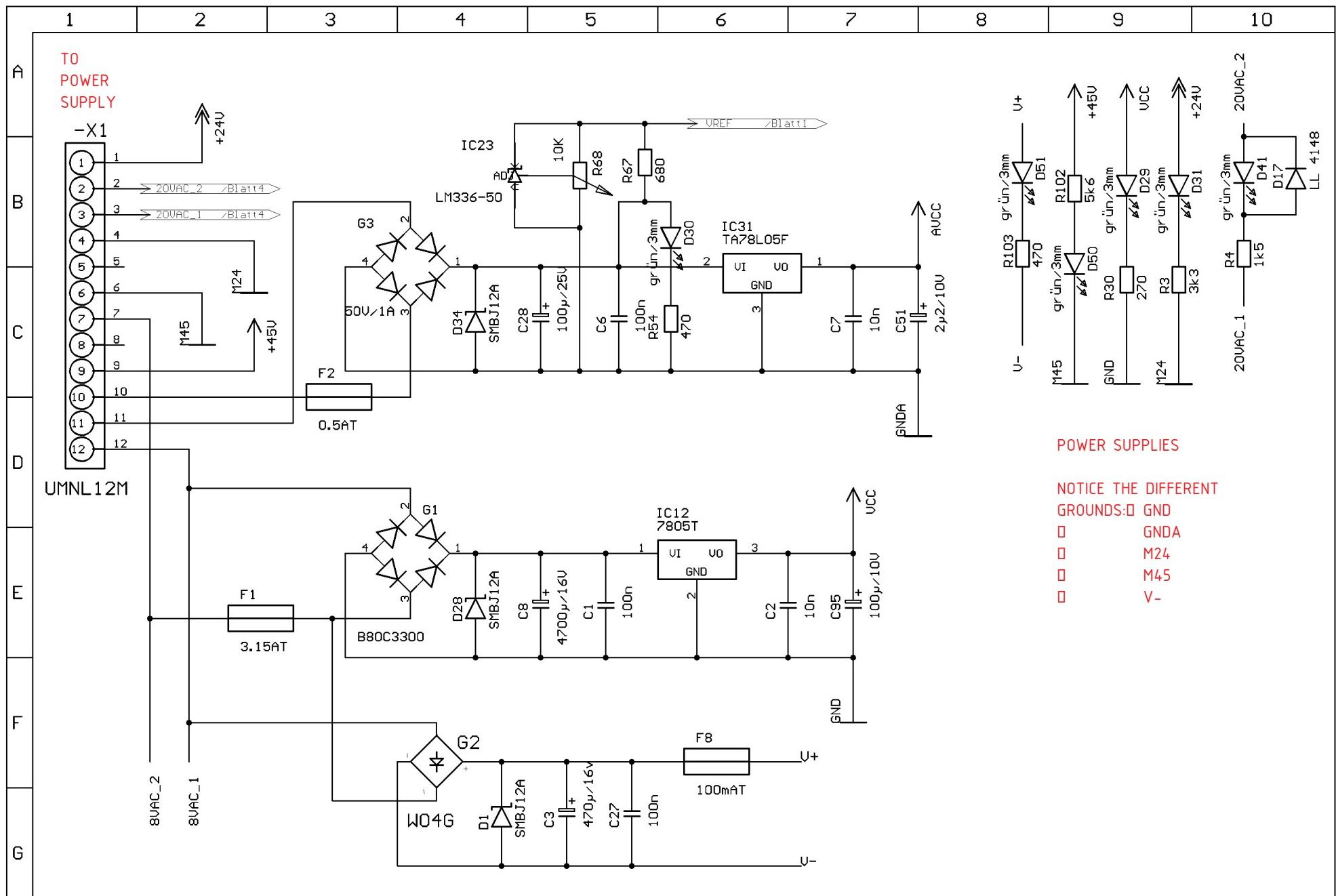
E

E

6



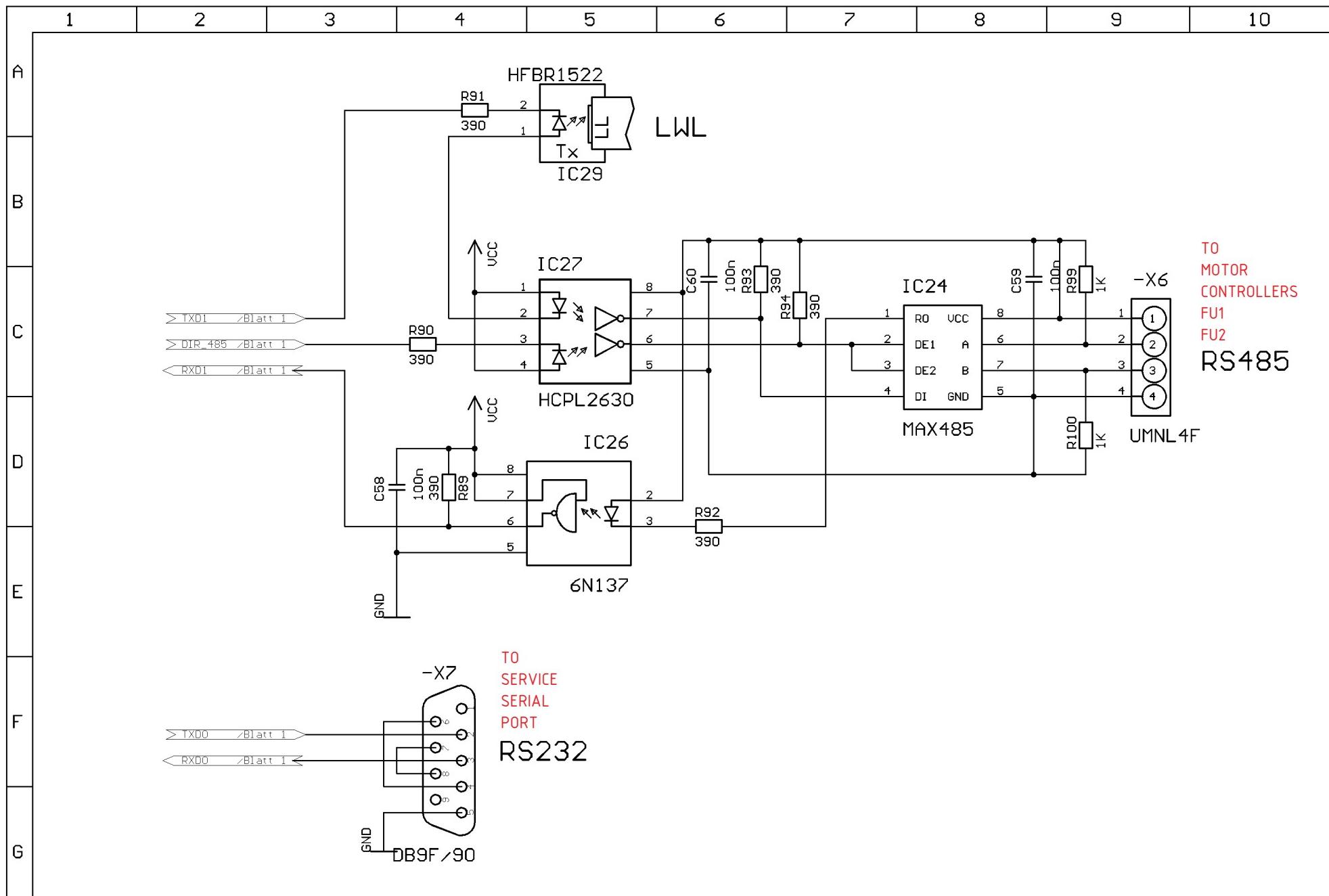
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Kunde:	Hans Pausch		Stand: 17.08.2000 16:20:40	Blatt: 10/13	Name: A.Eckstein



POWER SUPPLIES

NOTICE THE DIFFERENT GROUNDS: GND
 GNDA
 M24
 M45
 V-

Datei:	PLINHP~2	MOTRON Steuersysteme GmbH	URO 3000	ZN: hp 0116 2020	Ausgabestand
Pfad:	..\URO3000\TECHNIK\ CPU-HARDWARE		Spannungsversorgung	Datum: 17.07.97	<input type="checkbox"/>
Kunde:	Hans Pausch		Stand: 17.08.2000 16:20:40	Blatt: 11/13	Name: A.Eckstein



Datei: PLINHP~2	MOTRON	URO 3000	ZN: hp 0116 2020	Ausgabestand
Pfad: ..\UR03000\TECHNIK\		Serielle Schnittstellen	Datum: 17.09.98	
CPU\HARDWARE				
Kunde: Hans Pausch		Stand: 17.08.2000 16:20:40	Blatt: 12/13	Name: A.Eckstein

1	2	3	4	5	6	7	8	9	10
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A

1. Notauskreis Masse -> +24V (10.5.98 AE)
2. Kassettenantrieb M5 nur im Notauskreis nicht wie M1-M4 im Tastensicherungskreis.
Änderung an der Steckerbelegung -X5 Pin 13. Früher Tastsich jetzt Notaus für M5. (14.7.99 AE)

B

3. Strombegrenzung PWM-Endstufe überarbeitet. Neu: Shuntwiderstand, FET Umax 50V->100V
-> neues Layout CPU38.BRD (13.8.99 AE)

C

4. Layoutfehler (Leiterbahnkreuzung mit PWM Widerstand)
-> neues Layout: CPU39.BRD. PWM-Shunt 1 Ohm -> 0.68 Ohm (9.9.99 AE)

5. PWM-Transistoren Q4,8,9,10, D10 getauscht Umax >50V (17.12.99 AE)

Q4,8,9 BC 817-25 -> FMMT493

Q10 BC 807-25 -> FMMT593

D10 SB120 -> SR506 (5A/60V)

6. 24V zusätzlich abgesichert. Einstellbare Spannung 8-24V für Tiefenblendemotoren
-> neues Layout: CPU40.BRD.

R75 -> 6k8

R102 -> 5k6

R73, R85, R3 -> 3k3

R54 -> 470

-X6 -X10 entgegen Bestückungsdruck einlöten

-X3 9polige Sub-D Buchse

Layoutfehler: Q12/Pin 2 zum Poti aufkratzen -> Q12/Pin 1 umlöten (22.05.00 AE)

7. IC8 TIL 193 -> TLP 523-4 CTR=500%

G

Layout-Datei: hp 0116 2020.006.BRD

Datei:	PLINHP~2	MOTRON Steuersysteme GmbH	URO 3000	ZN: hp 0116 2020	Ausgabestand	<input type="checkbox"/>
Pfad:	..\\UR03000\\TECHNIK\\CPU\\HARDWARE		Änderungen	Datum:	17.09.98	<input type="checkbox"/>
Kunde:	Hans Pausch		Stand: 17.08.2000 16:20:40	Blatt:	13/13	Name: A.Eckstein <input type="checkbox"/>